Construction News

★Denotes work advertised in ENGINEERING NEWS.
✚Denotes contract awarded. The names of bidders awarded contracts are set in CAPITALS.

RAILWAYS

Maryland—Cumberland Valley R.R.—According to press reports surveys are being made by this company for the improvement of its line from Hagerstown to the Potomac River, about 10 miles. T. B. Kennedy, Chambersburg, Penn., is Engr.

✚**North Carolina**—The contract for constructing a railway from Shelby to Casar, N. C., about 21 miles, recently awarded to W. T. Clement and L. J. Hawley has been rescinded and reawarded to S. S. ROYSTER and O. ELAM, Shelby. Noted Nov. 26.

✚**Georgia**—Flint River R.R. & Navigation Co.—This company has awarded a contract for the construction of a railway from Hawkinsville through Unadilla and Byromville to Albany, Ga., about 80 miles, to RICKS & CO., Lilly, Ga.

Illinois—Illinois Central R.R.—This company is preparing plans for double-tracking its St. Louis & Paducah division from Carbondale to Metropolis, Ill. A. S. Baldwin, Chicago, Ill., is Ch. Engr.

Wisconsin—Balsam Lake & Eastern R.R.—This company has applied to the Wisconsin Railroad Commission for permission to construct a railway from Balsam Lake to Centuria, Wis. R. H. Sublette, Minneapolis, Minn., is Ch. Engr.

Texas—Texas Midland R.R.—Plans are being prepared for electrifying this company's line which runs from Paris to Ennis, Tex., about 135 miles. L. W. Wells, Terrell, Tex., is Ch. Engr.

Idaho—Gilmore & Pittsburg R.R.—According to press reports this company will construct a railway from Salmon to Lewiston, Idaho. Work will be started this spring. The company has offices at Salmon, Idaho.

Arizona—El Paso & Southwestern R.R.—Plans are being considered by this company for the extension of its line from Tucson to Ajo, Ariz., about 125 miles. H. J. Simmons, El Paso, Tex., is Gen. Mgr.

California—Atchison, Topeka & Santa Fé Ry.—This company plans to make extensive improvements to its terminal yards at Richmond, Calif. F. M. Bisbee, Amarillo, Tex., is Ch. Engr. Western Lines.

Saskatchewan—Regina Northwestern R.R.—This company plans to start work soon on the extension of its line from Regina, Sask., to Red Deer, Alta. The Board of Directors includes G. L. Kavanagh, O. L. Brunelle, J. Whitesell, J. Clyma and G. Bordeau, Montreal, Que.

ELECTRIC RAILWAYS

Buffalo, N. Y.—Plans are being prepared by the International Ry. Co. for the purpose of double-tracking its line on Virgil Ave. to Kenmore Ave. J. C Sheldon is Pur. Agt.

Geneva, N. Y.—The Geneva, Seneca Falls & Auburn Ry. Co., Inc., has requested the City Council to grant a franchise to double-track Exchange St. from Seneca to the New York Central tracks in Geneva. George Everill, Waterloo, is Ch. Engr.

Ithaca, N. Y.—Surveys are now being made by the Ithaca Traction Corporation for the Mitchell St. and Stewart Ave. lines. R. L. Post is Asst. Gen. Mgr.

Middletown, N. Y.—The Wallkill Transit Co. is considering plans for an extension from Midway Park to connect with the extension of the Newburgh line from the Walden terminal, taking in the towns adjacent, including Maybrook, Montgomery and Campbell Hall. W. D. Van Inwegen is Ch. Engr.

✚**Johnstown, Penn**—The Somerset St. Ry. Co. has awarded a contract to J. A. VANDEGRIFT & CO. for the construction of an electric railway connection between Rockwood and Johnstown. About $1,500,000 has been raised to finance the proposition.

Lancaster, Penn.—The Conestoga Traction Co. has completed surveys for a 13-mile line to be a branch of the Lancaster and Coatesville Division. R. B. Hull is Gen. Mgr.

New Castle, Penn.—James L. Freeble is interested in plans to build an electric railway from the corner of Haywood St. in Farrell to Mercer and New Castle.

Reading, Penn.—The Reading Transit & Light Co. will make improvements to its lines to cost about $200,000. H. H. Reigel is Pur. Agt.

Washington, D. C.—A request has been made to the Public Utilities Commission by the Washington & Maryland Ry. for permission to extend its lines from Third St. and Kennedy St. to 13th St. and Ohio Ave., N. W. T. F. Schumacher, Belair Rd. and Rittenhouse St., is Supt.

Washington, D. C.—The Capital Traction Co. plans to build a line on 17th St. D. S. Carll is Gen. Mgr.

Petersburg, Va.—The Petersburg & Appomattox Ry. Co. has been chartered to build an electric railway from Petersburg to City Point, about five miles. The company is capitalized at $100,000, and J. M. Wortham is Pres.

Asheville, N. C.—The Asheville Power & Light Co. plans to extend its lines in Kenilworth Park. J. C. Donald is Supt.

Florence, Ala.—The Florence & Huntsville Interurban Ry. Co. is making surveys and preliminary plans are being made for a 75-mile line to connect Florence, Rogersville, Athens and Huntsville. Three power stations will be located along the line and repair shops will be in Florence. The authorized capital stock is $100,000, and S. Jacobs, Birmingham, is Pres.

West Point, Ky.—The Louisville & Interurban Ry. Co. plans to extend its Orell line into West Point. T. J. Minary, 316 West Jefferson St., Louisville, is Gen. Mgr.

Cincinnati, Ohio—An ordinance has been adopted by the City Council, which requires the Cincinnati St. Ry. Co. and the Cincinnati Traction Co. to extend the Warsaw Ave. route along Glenway Ave. from Wilder Ave. to Seton Ave. in Cincinnati. Thomas Elliott is Ch. Engr. for the Cincinnati Traction Co.

Youngstown, Ohio—The New Castle Traction Co. is considering plans for building a line on Atlantic Ave. also to construct a terminal loop on the public square in New Castle. This company is controlled by the Republic Ry. & Light Co., 15 Exchange Pl., Jersey City, N. J.

Houston, Tex.—Preliminary plans have been formed for constructing an interurban electric railway between Houston and Richmond, about 30 miles.

Los Angeles, Calif.—The City Council has granted a franchise to the Pacific Electric Ry. Co. for an extension on Central Ave. J. McMillan is Gen. Mgr.

Oakland, Calif.—According to reports, the city will construct a belt line along the estuary quay wall from Clay to Market St. Harry S. Anderson is Comr. of Pub. Wks.

Pasadena, Calif.—The Pacific Electric Ry. Co. will soon lay tracks on North Fair Oaks Ave. in Pasadena. J. McMillan, Los Angeles, is Gen. Mgr.

Stellarton, N. S.—The Pictou County Electric Co., Ltd., will start work some time during April on its extension to Parkdale. Leonard T. Flaherty is Gen. Mgr.

Three Rivers, Que.—The City Council has granted a 23-year franchise to the Three Rivers Traction Co. This company plans to build, in the future, a 30-mile railway, and at present intends to lay 5½ miles of track within the city limits.

Baysville, Ont.—The Council and Board of Trade of Bracebridge and the Councils of Baysville, Sherbourne, Nightingale and Clintock have indorsed a project for the construction of a hydro-electric radial railway from Bracbridge to the Wa Wa Hotel, a distance of about 24 miles.

Perth, Ont.—The Ottawa & St. Lawrence Electric Ry. Co., according to press reports, will soon start work on the Perth and Smith Falls section of its proposed railway. The line is to extend through Rideau Ferry.

St. Catharines, Ont.—The Niagara, St. Catharines & Toronto Ry. plans to build an extension on Bridge St. of the Falls Division from Erie to Victoria Ave. in Niagara Falls. E. F. Seixas is Gen. Mgr.

LIGHT, HEAT AND POWER

Waterville, Maine—It is reported that the City Council contemplates the installation of a municipal electric-light and power plant. Eugene W. Crawford is City Engr.

Brockton, Mass.—The Edison Electric Illuminating Co. of Brockton contemplates the construction of a new substation in the northern part of the city, and building two transmission lines from Brockton to North Easton. A. F. Nelson, Brockton, is Mgr.

✚**Bristol, Conn.**—(Official)—The contracts for plumbing and electrical work for the new school on Maple St. have been awarded to ROBERTS & ARNOLD, Bristol, at $4498, and W. E. THROOP, Bristol, at $2179, respectively. The contract for heating and ventilating will soon be awarded. Walter P. Crabtree, 272 Main St., New Britain, is Arch.

✚**Albany, N. Y.**—The Municipal Gas Co. has awarded the contract for the construction of a 108x146-ft. power house to the PETER KEELER BUILDING CO., Albany, at about $60,000.

★**Kings Park, N. Y.**—(Official)—Bids were received Mar. 18 by the State Hospital Commission, Albany, for heating, plumbing and drainage, and electrical work in a new building for chronic patients at the Kings Park State Hospital. The three lowest bids for each contract are given below. Proposals Nos. (1) and (2): Heating, W. B. Armstrong Co., Albany, (1) $5531, (2) $1900; Walker & Chambers, New York, N. Y., (1) $5540, (2) $1985; E. Rutzler Co., New York, N. Y., (1) $5690, (2) $1999, and nine others; plumbing and drainage; Arthur S. Gaynor Co., 168 West 99th St., New York, (1) $7381, (2) $2065; George E. Gibson Co., 49 East 21st St., New York, (1) $7630, (2) $1980; W. B. Armstrong Co., (1) $7943, (2) $2255, and seven others; electrical work, S. G. Waterman, 817 Broadway, New York, (1) $909, (2) $332; Isador Fajans, 122 East 25th St., New York, (1) $1179, (2) $449; Murphy & Walsh, (1) $1194, (2) $418, and four others. Noted Mar. 11.

Newark, N. Y.—It is reported that an appropriation of $15,000 has been made for extensions to the street-lighting system, and plans for the work are now under consideration.

New York, N. Y.—(Borough of Bronx)—Bids were opened Mar. 22 by the Department of Health for plumbing and gasfitting, and steam-heating plant for two concrete pavilions on the grounds of the Department of Health, Riverside Hospital, North Brother Island, Borough of Bronx. The bids for plumbing and gasfitting were as follows: E. Kraus, $7900; William Young Plumbing Co., $10,665; A. S. Gaynor Co., $8195; T. E. O'Brien, $11,700; J. B. Brady, $9662; J. S. Murphy, $8787; George E. Gibson, $8187; Harry Kline, $9010; J. J. Kenny, $9175; J. F. Hook, $9285; J. G. Barth Plumbing & Heating Co., $11,729. Bids for the heating plant were as follows: A. B. Demerest, $9876; Philp & Paul, $11,944; Leslie & Tracy, $8900;

Raisler Heating Co., $10,300; E. Rutzler, $10,279; Adam Britz, $10,840; George E. Gibson, $8200; Walker & Chambers, $7260; J. G. Barth Plumbing & Heating Co., $9025; J. A. Scollay, $11,995. Noted Mar. 18.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until noon, Apr. 2, by the Board of Trustees, Bellevue and Allied Hospitals, for lighting fixtures in Pavilions "I" and "K" of the new Bellevue Hospital, 26th to 29th St., First Ave. to East River, Borough of Manhattan. John W. Brannan, M. D., is Pres. Bd. of Trustees.

Wellsville, N. Y.—Press reports state that the Wellsville Electric Light, Heat & Power Co. has accepted the offer of the village to purchase the local plant. H. B. Sweet, Utica, is preparing plans for remodeling and improving the plant.

Jersey City, N. J.—It is reported that the City Commission has decided to install a conduit system to eliminate overhead wires and poles. The estimated cost of the work is $1,500,000. Charles A. Van Keuren is City Engr.

✚Newark, N. J.—The Public Service Electric Co. has awarded contracts for equipment for its new power plant on the Passaic River at Point-no-Point, at a total cost of about $125,000, to the following: Steel foundations for turbines, PENNSYLVANIA STEEL CO.; four underfeed stokers and four economizers, B. F. STURTEVANT CO.; cast iron motor-operated valves for low pressure condensers, PITTSBURGH VALVE, FOUNDRY & CONSTRUCTION CO.; steel valves for high pressure steam lines, PRATT & CADY CO.; boiler feed pumps, H. R. WORTHINGTON CO. Noted July 2, 1914; Jan. 14 and Feb. 11, 1915.

Perth Amboy, N. J.—The City Council has engaged Runyon & Carey, 845 Broad St., Newark, to prepare plans for the construction of the proposed municipal electric-light plant. Noted Nov. 19 and Jan. 21.

✚Trenton, N. J.—The Public Service Gas Co. has awarded the contract for the construction of a two-story addition to its gas generating plant on New York Ave. to W. J. & J. H. MORRIS.

Everett, Penn.—It is reported that the citizens of Everett are promoting the installation of a municipal electric-light plant. Service is now furnished by the Everett Light, Heat & Power Co.

Baltimore, Md.—Plans have been prepared by Charles L. Reeder, 921 Equitable Bldg., for additions and improvements to the power plant and laundry of the Hebrew Hospital. The work will include the construction of an addition to the power house, new boilers, engines, laundry machinery, etc.

Westminster, S. C.—The Town Council is reported to have authorized the issue of $16,000 in bonds, the proceeds of which will be used for the installation of a municipal electric-light plant. Noted Aug. 14, 1914.

St. Petersburg, Fla.—It is reported that the citizens will be asked to vote on the question of installing a municipal electric-light plant. If the vote is favorable, a bond issue of $150,000 for the purpose will be submitted to the voters.

Jackson, Miss.—At a special election held Mar. 13, the citizens defeated a bond issue of $160,000 for the construction of a municipal electric-light and power plant. M. L. Culley is City Engr. Noted Oct. 8 and 22, 1914, and Feb. 25, 1915.

Clay, Ky.—It is reported that the Clay Light & Ice Co. will build a transmission line to Dixon, a distance of about eight miles. An additional boiler and generator will be installed. C. R. Clark is Supt.

Cincinnati, Ohio—It is reported that Walter H. Hutzler, 116 West Elder St., and associates, will apply to the City Council for a franchise to establish and operate an electric-light plant in the vicinity of Findlay Market. It is stated that $50,000 has already been subscribed for the construction of a steam-driven plant.

Cleveland, Ohio—The city plans to build a new municipal power station at 7616 Woodland Ave. S. E., to cost about $25,000. It will be two stories, of reinforced concrete and brick, and will contain 4914 sq.ft. of floor space.

Peebles, Ohio—The Village Council is considering plans for the establishment of a municipal electric-light plant, for the construction of which bonds for $11,500 have been issued.

East St. Louis, Ill.—(Official)—Contracts will be awarded about Apr. 19 for the construction of a two-story high school. Low bids were received as follows: Plumbing, McEvilly & Flynn, East St. Louis, $10,520; heating, Peters, Eichler Co., St. Louis, Mo., $31,007; electrical work, F. E. Newberry Electric Co., St. Louis, $11,930.

Manitowoc, Wis.—It is reported that the Oslo Power & Light Co., Manitowoc, has increased its capital stock from $5000 to $30,000 for the purpose of rebuilding its hydro-electric plant which was damaged by floods a few months ago. A. O. Anderson is Pres.

Rose Hill, Iowa—It is reported that bids are being received by A. L. Zink, representing the Town Council, for the construction and operation of an electric-light plant.

✚West Bend, Iowa—The Town Council has awarded the contract for the installation of an electric-light plant to the ALAMO ENGINE & SUPPLY CO., 1122 Farnam St., Omaha, Neb., at $8270. W. H. Grover, Ames, Iowa, is Engr.

Hibbing, Minn.—Burns & McDonnell, Scarritt Bldg., Kansas City, Mo., has recommended to the Water and Light Board improvements to the electric-light plant and water-works to cost from $100,000 to $157,000. E. D. Hawley is City Engr. Noted May 14 and June 11, 1914, Feb. 4, 1915.

Edgar, Neb.—The citizens have voted in favor of issuing $13,500 in bonds for the purpose of constructing a municipal electric-light plant. V. S. Hollister, Lincoln, is Engr.-in-Charge.

✚Kansas City, Mo.—The Board of Education has awarded the contract for heating equipment in the William Cullen Bryant School to the WOODLING HEATING & VENTILATING CO., Reliance Bldg., Kansas City, at $15,847. For heating equipment in the Mark Twain School, the contract was awarded to the CAPLAN GALVANIZED IRON CO., St. Louis, at $14,375.

✚Poplar Bluff, Mo.—The City Council has awarded the contract for the construction of the municipal electric-light plant to the FULLER-COULT CO., Chemical Bldg., St. Louis. Bonds for $75,000 will be sold for the purpose. Noted Apr. 2, 1914.

Austin, Tex.—George S. Westerfield, Engr., and Charles T. Boelhawe, Arch., who were employed to ascertain the cost of installing a new heating plant, power plant, elevators, sanitation and ventilating systems, telephone exchange, and other improvements in the State Capitol, have submitted a report to the Legislature. Their recommendations entail an expenditure of about $450,000. An appropriation for the purpose will probably be made.

Mission, Tex.—See item under "Water Supply—Irrigation."

Walter, Okla.—The town has abandoned the idea of installing a municipal electric-light plant, and is negotiating with the Comanche Light & Power Co to furnish electrical service.

✚Yale, Okla.—See item under "Water Supply—Irrigation."

Oakland, Calif.—The Pacific Gas & Electric Co. has taken out permits for the construction of a one-story boiler house and a one-story generator house, to be located at the plant at First and Market St. They will cost $5000 each. F. A. Leach, Jr., Oakland, is Dist. Mgr.

Venice, Calif.—It is reported that the Abbot-Kinney Co. will equip an electric generating plant at a cost of about $70,000. J. B. Griffen is Engr. for the company

Montreal, Que.—Bids will be received until noon, Apr. 6, by the Board of Control for the installation of a street-lighting system on St. Catherines and Bleury St. to cost about $40,000.

Tarn, Ont.—It is reported that the City Council is considering the installation of a hydro-electric light and power plant. W. J. Taylor is Clk.

BRIDGES

Claremont, N. H.—The Board of Selectmen has passed a resolution calling for a bond issue of $26,000 to be used for building steel bridges across the Sugar River at Broad St. and the Lower Village.

New York, N. Y.—(Borough of Bronx)—It is reported that plans are being prepared for a new bridge over Westchester Creek at East 177th St. It will have two steel spans and a double-leaf bascule span with granite abutments. The estimated cost is $170,000. F. J. H. Kracke, Municipal Bldg., is Comr., Dept. of Bridges.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until 2 p.m., Apr. 1, by F. J. H. Kracke, Comr., Dept. of Bridges, for wood paving blocks for the Department of Bridges.

Rochester, N. Y.—Press reports state that the Buffalo, Rochester & Pittsburgh Ry. will build six new steel bridges this year. One will be a viaduct over the tracks of the Erie R.R. at Silver Lake Junction, and the others will be located on the Buffalo division. About 1163 tons of steel will be required. E. F. Robinson, Rochester, is Ch. Engr.

Hightstown, N. J.—It is reported that the Common Council and the Board of Chosen Freeholders of Mercer County are negotiating for rebuilding the Main St. Bridge. It is estimated to cost $20,000. Noted Jan. 28 and Mar. 11.

★✚Mt. Holly, N. J.—The Boards of Chosen Freeholders of Burlington and Atlantic Counties have awarded the contract for repairing the Mullica River Bridge on Chestnut Neck Rd. between the two counties, to EDWARD FAY & SON, Philadelphia, at about $69,000. Noted Feb. 18 and Mar. 11.

Newark, N. J.—(Official)—Bids will be received until 3 p.m., Mar. 30, by a joint committee of the Boards of Chosen Freeholders of Essex and Hudson Counties, at the Essex County Court House, Newark, for rebuilding the fenders of the center and rest piers of the Jackson St. Bridge between Jackson St., Newark, and Fourth St., Harrison.

West New York, N. J.—The New York Central R.R. plans to build a viaduct over its tracks opposite the West New York Ferry. James L. Wolfe is Town Clk.

✚Albany, Penn.—The Philadelphia & Reading Ry. has awarded the contract for the construction of a reinforced-concrete bridge near Albany to the READING CONTRACTING CO., Reading. The bridge will be 189 ft. long and 15 ft. wide.

Emaus, Penn.—Plans have been prepared by E. R. Wenner, Borough Engr., for the construction of a new bridge at Chestnut St.

✚West Chester, Penn.—(Official)—The contract for repairing two bridges over Brandywine Creek, south of Chadds Ford, has been awarded to GEORGE DALE, 102 East 12th St., Wilmington, Del. Noted Mar. 4.

✚York, Penn.—(Official)—The Board of County Commissioners has awarded the contract for the construction of a bridge over the south branch of Muddy Creek on the road between Muddy Creek and Gatchelville to M. D. PORMAN, York. Noted Mar. 4.

Elkins, W. Va.—(Official)—We are advised by Thaddeus Pritt, Clk. of Elkins County, that the opening of bids for seven bridges, advertised for Mar. 1, was postponed, and will be readvertised about Apr. 1. Noted Jan. 28.

Durham, N. C.—(Official)—Bids will be received until 2 p.m., Apr. 6, by P. C. Crompton, Audr. of Durham County, for the construction of four steel bridges with concrete substructures. The estimated cost is $5000 each. Noted Mar. 18.

Sumter, S. C.—Sumter County will issue $10,000 in bonds, the proceeds of which will be used for bridge construction. P. M. Pitts is Chn. of County Comrs. R. L. McLeod is Clk.

Clearwater, Fla.—(Official)—Bids will be received until Apr. 6 by the Board of Commissioners of Pinellas County for

furnishing corrugated iron culverts of various sizes. Clements McMullen is County Highway Engr.

Jasper, Ala.—(Official)—All bids received Mar. 15 by the Commissioners of Walker County for the construction of four bridges over the Black Warrior River at Cordova, Sipsey Fork, Mulberry and Town Creek, have been rejected. Charles M. Sartain is Chn. of Comrs. Noted Mar. 4.

Baton Rouge, La.—Bids will be received until noon, Apr. 13, by the Police Jury of East Baton Rouge Parish for the construction of a steel bridge across Baton Rouge Bayou on the Irene Rd., and for a wooden bridge over the Amite River on Benton Ferry Rd.

Cambridge, Ohio—(Official)—Bids will be received until noon, Apr. 13, by the Board of Commissioners of Guernsey County for building abutments for the Dewey Ave. Bridge over Wills Creek in the City of Cambridge. T. C. White is County Audr.

Canton, Ohio—(Official)—Bids will be received until 10 a.m., Apr. 14, by the Board of Commissioners of Stark County for the construction of the James Steele reinforced-concrete bridge over Pigeon Run on the Massillon-Millersburg Rd. in Tuscarawas Township. C. L. Stoner is Clk. of Comrs.

✚Harrisburg, Penn.—The Cumberland Valley R.R. Co. early in the year sent out invitations to about 40 contractors to bid on a 4300-ft. reinforced-concrete double track roadway. One trackway is to be built this season which involves the placing of 40,000 cu.yd. of concrete. The foundations were built by the railway company last year. The work involves enveloping 23 old piers and building 22 new ones. There will be 23 arches of 77 ft. and 22 arches of 74 ft. 6 in. with 20 ft. rise. Sand will cost $1.08 per net ton delivered and stone $1. The number of bidders, and the size of the work make the figure submitted of unusual interest and they are reproduced herewith. The contract was awarded to ROBERT GRACE CONTRACTING CO., 514 Smithfield St., Pittsburgh, Penn., at $270,290.

Danville, Ind.—(Official)—Bids will be received until 10 a.m., Apr. 19, by the Commissioners of Hendricks County for the construction of seven steel, and nine concrete bridges. L. W. Borders is Audr.

Scottsburg, Ind.—(Official)—Bids will be received until 1 p.m., Apr. 5, by the Commissioners of Scott County for the construction of several concrete bridges and culverts and two steel bridges. Robert Blunt is Audr.

Winchester, Ind.—Bids will be received until 10 a.m., Apr. 1, by Charles E. Tillson, Audr. of Randolph County, for 31 bridges, abutments and repairs.

Custer Park, Ill.—(Official)—Bids will be received until 2 p.m., Apr. 13, by the Bridge Committee and Superintendent of Highways of Will County for the construction of four reinforced-concrete bridges in Custer Township. W. H. Smith, Joliet, is County Supt. of Highways. Alex Cooper is Clk. of Custer Township.

✚McLeansboro, Ill.—(Official)—The Highway Commission of Hamilton County has awarded the contract for the construction of a reinforced-concrete bridge in Mayberry Township to the VINCENNES BRIDGE CO., Vincennes, Ind., at $4273. The Engineer's estimate was $5600. Five other bids were received. Gregg Garrison is County Supt. of Highways. Noted Feb. 25.

Murphysboro, Ill.—(Official)—Bids will be received until 2 p.m., Mar. 31, at the Court House, Murphysboro, for the construction of the Rattlesnake Ferry Bridge between Grand Tower and Pomona Townships, Jackson County. It will be a 180-ft. steel span on reinforced-concrete abutments. The estimated cost, including piling, is $13,600. Thomas G. Dunn, Gorham, Ill., is County Supt. of Highways. Noted Mar. 4.

De Pere, Wis.—It is reported that a special election will be held Apr. 6 to vote on the question of issuing $15,000 in bonds, the proceeds of which will be used for rebuilding the drawbridge at Main Ave. and George St. The estimated cost of the work is $21,000, of which $6000 is now available.

BIDS FOR THE DOUBLE-TRACK CONCRETE ARCH OF THE CUMBERLAND VALLEY R.R. CO. BRIDGE OVER SUSQUEHANNA RIVER

Firm	* Concrete Masonry, 56,000 Cu.Yd., Price	Waterproofing, 102,000 Sq.Ft., Price	Conduit, 7,800 Lin.Ft., Price	Manhole Frames and Covers, 21 Sets, Price	Removing Old Masonry, 100 Cu.Yd. (Est.), Price	Total
Robert Grace Contracting Co.	$4.73	$0.025	$0.30	$20.00	$1.00	$270,290
E. Purcell	4.74	0.02	0.40	8.00	2.00	270,968
W. W. Boxley & Co.	4.77	0.05	0.60	25.00	20.00	279,425
Booth & Flinn, Ltd.	4.93	0.025	0.50	13.00	5.00	283,303
T. L. Eyre	5.12	0.04	0.30	10.00	3.00	293,650
O'Hagan & Lake, Inc.	5.10	0.07	0.60	20.00	2.00	298,040
Hardaway Contracting Co.	5.45	0.06	0.45	20.00	10.00	316,250
MacArthur Bros. Co.	5.75	0.04	0.60	14.00	10.00	332,054
Walter F. Patterson	5.89	0.02	0.29	18.00	2.50	334,770
Charles McDermot Co.	5.93	0.03	0.40	40.00	3.25	339,425
Thomas Sheahan	6.00	0.035	0.35	22.00	1.10	342,872
The Dravo Contracting Co.	6.05	0.026	0.31	28.50	1.20	344,588
The H. C. Brooks Co., Inc.	5.90	0.10	0.50	40.00	3.00	345,640
Frazer, Brace & Co.	6.10	0.035	0.60	20.00	4.00	350,670
H. S. Kerbaugh, Inc.	6.30	0.03	0.40	50.00	10.00	361,030
Patterson-Moran Co.	6.50	0.04	0.50	25.00	3.00	372,805
The National Foundation & Engineering Co.	6.05	0.12	3.00	30.00	5.00	375,570
H. Denburger Construction Co.	6.50	0.035	1.00	21.00	3.00	376,111
John Goll & Co.	6.90	0.05	0.50	35.00	5.00	396,635
Bates & Rogers Construction Co.	7.00	0.035	0.15	70.00	5.00	398,710
Smith-McCormick Co.	6.94	0.05	0.50	50.00	5.00	399,190
The Dunn-McCarthy Co.	7.00	0.05	0.25	12.00	1.50	399,452
Sanford & Brooks Co.	7.11	0.05	0.10	25.00	5.00	405,065
Finehart & Dennis Co., Inc.	7.00	0.15	1.00	25.00	2.00	415,825
The Snare & Triest Co.	7.28	0.05	0.60	30.00	10.00	419,090
Merrill-Ruckgaber Co.	7.35	0.03	0.50	20.00	3.50	419,330
Sparks & Evans	7.50	0.045	0.33	38.00	2.00	428,162
E. E. Smith Contracting Co.	7.50	0.03	0.50	65.00	6.00	428,925
Arthur McMullen	7.50	0.03	0.75	20.00	20.00	431,330
Degnon Contracting Co.	7.50	0.04	0.75	60.00	12.00	432,390
Raymond Concrete Pile Co.	7.67	0.03	0.85	35.00	3.00	440,245
James McGraw Co.	7.70	0.06	0.52	40.00	5.75	442,791
F. M. Talbot Co.	7.95	0.0225	0.60	35.00	2.50	453,160
Hyde, McFarlin, Burke Co.	8.00	0.25	0.75	35.00	2.50	480,335
The Jobson-Gifford Co.	8.45	0.025	0.40	70.00	3.00	480,640
A. L. Anderson & Bros., Inc.	9.25	0.10	0.50	50.00	3.00	533,450
Geo. H. Curtis Construction Corporation	9.25	0.10	0.60	50.00	6.00	534,530
L. H. Focht & Son	11.17	0.035	0.45	40.00	2.50	633,690

* Cement, reinforcing steel and anchor bolts to be furnished on cars, at site of bridge by the railroad company.

Cincinnati, Ohio—(Official)—Bids will be received until noon, Apr. 14, by William Lelmann, City Audr., for the purchase of a bond issue of $165,000, the proceeds of which will be used for the construction of a viaduct over Kemper Lane at the Park Ave. entrance to Eden Park. Noted Oct. 22, Nov. 26 and Dec. 10, 1914.

Cleveland, Ohio—(Official)—Bids will be received until 10 a.m., Apr. 14, by the Board of Commissioners of Cuyahoga County for the construction of a concrete bridge, Report No. 3487. W. A. Stinchcomb is County Surv. E. G. Krause is Clk. of Comrs.

✚Lima, Ohio—The Board of Administration has awarded the contract for the construction of the Pine St. bridge to the BURKE CONSTRUCTION CO., Newcastle, Ind., at $20,363. There were 20 bids submitted, ranging from that of the successful contractor to $29,765. The engineer's estimate was $28,232. Chester & Fleming, Union Bank Bldg., Pittsburgh, Penn., is Engr.-in-Charge. Noted Feb. 11 and 25.

Youngstown, Ohio—(Official)—We are advised by F. M. Lillie, City Engr., that the railways interested in the construction of the East Federal St. Viaduct have appealed to the higher courts from the recent decision that the bridge shall be built according to plans prepared by the City Engineer, rather than those of the railway engineering forces. The estimated cost is $500,000. Noted Mar. 18.

Crawfordsville, Ind.—The Board of Commissioners of Montgomery County will advertise about May 1 for bids for the construction of six reinforced-concrete flat top bridges. M. L. Nees is County Surv.

Des Moines, Iowa—(Official)—Bids will be received until noon, Mar. 29, by the Board of Supervisors of Polk County for the construction of four reinforced-concrete bridges. H. L. Barquist is Chn. of the Bd.

✚Dubuque, Iowa—The Board of Supervisors of Dubuque County has awarded the contract for the construction of 122 bridges and culverts in the county to J. J. LEONARD, Dubuque, at $36,100.

Dubuque, Iowa—(Official)—Bids will be received until 2 p.m., Mar. 31, by the Board of Supervisors of Dubuque County for the construction of 75 concrete box culverts on the Iowa Post Rd., locally known as the "Hawkeye Highway." John Inghram is County Audr.

Ft. Madison, Iowa—The Board of Supervisors of Lee County has passed a resolution of necessity for the construction of four reinforced-concrete bridges and six reinforced-concrete culverts at an estimated total cost of $15,669.

Lone Tree, Iowa—Press reports state that the Boards of Supervisors of Johnson County, Iowa City, and Louisa County, Wapello, are considering the construction of a $10,000 bridge over the Iowa River about seven miles from Lone Tree, to replace the structure carried away recently by floods and ice floes. The two counties will share the cost equally.

✚Marengo, Iowa—The Board of Supervisors of Iowa County has awarded the contract for the construction of 45 county bridges to M. O. BURNETT, Marengo, at about $26,000.

Sibley, Iowa—Bids will be received until 1 p.m., Apr. 7, by G. W. Creighton, Audr. of Osceola County, for the construction of two steel bridges, and 36 concrete bridges and culverts.

Tipton, Iowa—Press reports state that the Board of Supervisors of Cedar County plans to build several concrete bridges this year. The estimated total cost is $22,000.

✚Caledonia, Minn.—(Official)—The Board of Commissioners of Houston County has awarded the contract for constructing several bridges to the JOLIET BRIDGE CO., Joliet, Ill., at $6044. Four other bids were received, ranging from $6550 to $8287. E. N. Newhouse is County Audr. Noted Mar. 4.

✚Minneapolis, Minn.—(Official)—The Board of Commissioners of Hennepin County has awarded the contract for the construction of a bridge over County Ditch No. 10, Rd. No. 83, to WILLIAM O'SHEA & SONS, 129 East 25th St., Minneapolis. F. E. Haycock is County Surv. Noted Mar. 11.

✚Garfield, Kan.—(Official)—The Board of Commissioners of Pawnee County has awarded the contract for the construction of a reinforced-concrete bridge over the Arkansas River at Garfield to the TOPEKA BRIDGE & IRON CO., Topeka, at $12,350. Noted Oct. 22, Dec. 24, 1914, and Feb. 25, 1915.

McCook, Neb.—Bids will be received until noon, Mar. 30, by C. K. Dutcher, Clk. of Redwillow County, for bridge work in the county during the ensuing year.

Columbus, Mont.—(Official)—Bids will be received until 10 a.m., Apr. 12, by the Board of Commissioners of Stillwater County for the construction of five reinforced-concrete bridges, Nos. 9, 11, 12, 13 and 14, ranging from 22 to 95 ft. long. R. W. Barr is County Surv. B. F. Harris is Chn. Bd. of Comrs.

Rockport, Mo.—Bids will be received until 2 p.m., Apr. 12, by J. A. Krusor, Highway Engr. of Atchison County, for bridge work in the county.

Belton, Tex.—The Commissioners Court of Bell County has ordered the construction of two new county bridges, one over Cedar Creek on the Moffat Air Line Rd., and the other on the Belton-Sulphur Springs Rd.

Dallas, Tex.—The Board of City Commissioners has voted to appropriate $22,000 for constructing the east approach of the Commerce St. Bridge. J. M. Preston is City Engr.

✚Floresville, Tex.—The Commissioners Court of Wilson County has awarded the contract for the construction of two steel bridges, one over the San Antonio River, and the other over Picosa Creek, to the ALAMO CONSTRUCTION CO., San Antonio, at $10,500.

Robert Lee, Tex.—(Official)—Bids will be received until Apr. 12 by the Commissioners Court of Coke County, for the construction of two county bridges. The estimated cost is $8000. S. B. Kemp is County Judge.

Houiam, Wash.—It is reported that bids will be received until Apr. 7 by the Commissioner of Public Works for repairs to the Eighth St. Bridge. C. E. Fowler, Central Bldg., Seattle, is Engr.

Wenatchee, Wash.—The Board of Commissioners of Chelan County has instructed the County Engineer to prepare plans for a steel bridge to be known as the Wenatchee River Bridge. The estimated cost is $35,000, and it is reported that construction will be begun some time during the summer. Fred A. Warren is County Engr.

Fairfield, Calif.—Press reports state that bids for the construction of four bridges on the State Highway in Solano County will be received at the April meeting of the Board of County Supervisors. One bridge will span American Canon Creek near Cordelia, one over Sweeney Creek near Benicia, and one each across Gibson and McCune Creeks near Batavia.

Holtville, Calif.—Bids will be received until 2 p.m., Mar. 29, by M. S. Cook, Clk. of the Bd. of Supervisors of Imperial County, El Centro, for the construction of a reinforced-concrete bridge over the Alamo River on the extension of Sixth St. in the City of Holtville. Noted Feb. 4.

Red Bluff, Calif.—It is reported that the Board of Supervisors of Tehama County is having plans prepared for the construction of a bridge over Sand Slough. The estimated cost is $35,000. W. F. Luning, Red Bluff, is County Surv.

Riverside, Calif.—(Official)—We are advised by A. P. Campbell, City Engr., that, as no appropriation has been made for the purpose, bids for the construction of a bridge over Tequesquite Wash will probably not be asked before next summer, as the yearly budget is made in July. Noted Mar. 4.

Stockton, Calif.—The Board of Supervisors of San Joaquin County is having plans prepared for a bridge across Middle and Old Rivers. The estimated cost is $122,000. Frank E. Quail, Stockton, is County Surv.

Visalia, Calif.—Bids will be received until Apr. 7 by the Board of Supervisors of Tulare County, for the construction of a bridge over Cameron Creek at Mooney Grove. George R. Prestige is County Clk.

Lunenburg, N. S.—Bids will be received until noon, Mar. 27, by E. H. Armstrong, Minister of Pub. Wks., Halifax, for the construction of 277 culverts in Lunenburg County.

Toronto, Ont.—The Board of Control will shortly call for bids for a bridge to be built over Merton St. in connection with the extension of Mt. Pleasant Rd. It will have steel girders on concrete abutments. The estimated cost is $41,000.

Calgary, Alta.—(Official)—We are advised by J. M. Miller, City Clk., that the construction of the Louise Bridge at Ninth St. has been indefinitely postponed. It will be a steel structure costing about $40,000. Noted Jan. 14 and Feb. 25.

The Pulsometer Steam Pump Co., 17 Battery Pl., New York, is having a most satisfactory run of business. According to W. J. Berow, of that company, the amount of business booked during February exceeded that of any month in the history of the company, and that for the first two months of the year was almost as satisfactory. This business does not come from any particular section but is general all over the United States and Canada with a fair amount of export business sprinkled in.

WATER SUPPLY—IRRIGATION

Scarboro, Maine—An election will be held to vote on the question of constructing a water system.

Greenville, N. H.—At a recent election the citizens voted to issue bonds for $18,000, the proceeds of which will be used for the construction of a water system. H. J. Taft is Chn. Bd. of Water Comrs. Noted Apr. 30, 1914.

Troy, N. H.—Bonds for $40,000 have been voted, the proceeds of which will be used for the construction of a water system. Dudley & Sawyer, Manchester, is Engr. Melvin T. Stone is Chn. of Comrs. Noted Nov. 5.

Boston, Mass.—Bids will be received until Apr. 2 by the Public Works Department for laying 5800 ft. of 30-in. high-service water pipe. L. K. Rourke is Comr.

Boston, Mass.—Bid will be received until Apr. 1 for the construction of a tower of Quincy granite around the steel water tower on Mt. Bellevue St., West Roxbury. Dexter Brackett, 1 Ashburton Pl., is Engr.

Cambridge, Mass.—The citizens contemplate installing a filtration plant to filter water from Stony Brook. L. M. Hastings is City Engr. Timothy W. Good is Mayor.

Middleton, Mass.—The Water Commissioners will spend $8000 for laying water mains this summer.

New Britain, Conn.—The city will retain engineers to prepare plans for the construction of the Burlington reservoir. William H. Hall, City Engr., will make an inspection of the reservoir site.

Bellmore, N. Y.—The State Conservation Commission has approved the application made by the Bellmore Citizens' Water Co. for the construction of a water system. Noted Oct. 22.

Elmsford, N. Y.—Plans have been prepared for the construction of a water system but have not as yet been submitted to the Board of Trustees. J. E. Murray is City Clk.

Le Roy, N. Y.—Bonds for $105,000 have been voted by the citizens. The proceeds will be used for the extension of the water system. J. P. Wells, Rochester, is Engr. and C. A. Chapman is Village Clk. Noted Dec. 3 and Feb. 25.

Madrid, N. Y.—A filtration plant and a water tank on a 60-ft. tower will be constructed. The estimated cost is $22,000. A. D. White is Village Pres. Noted Feb. 25.

✚New York, N. Y.—(Borough of the Bronx)—(Official)—The contract has been awarded to H. E. FOX CONSTRUCTION CO., 81 East 125th St., at $15,608, for laying a water main across the East River and in 140th St. Noted Mar. 4 and 18.

New York, N. Y.—(Borough of Queens)—(Official)—Bids will be received until 3 p.m., Apr. 1, by the Park Board, Municipal Bldg., Manhattan, for laying water mains in Forest Park.

Rochester, N. Y.—The only bid received Mar. 3 by the Board of Contract and Supply for 2350 tons of specials and pipe for the water department was that of the United States Cast Iron Pipe & Foundry Co., at $51,148.

★Atlantic City, N. J.—(Official)—Bids were received Mar. 11 for an 18,000,000-gal. centrifugal pump for the Absecon pumping station as follows: Kerr Turbine Co., $14,317; Dravo-Doyle Co., $17,100; Westinghouse Machine Co., $15,000; Southwark Foundry & Machine Co., $14,000 and Ingersoll-Rand Co., $14,931. Noted Mar. 4.

Jersey City, N. J.—The city is considering the installation of a high-pressure water system for lower Jersey City.

Newark, N. J.—Runyon & Carey, Consult. Engr., Newark, has been instructed by the Essex County Board of Freeholders to revise the specifications for the construction of a water system at the Overbrook Hospital. Noted Dec. 3, Feb. 18 and Mar. 4.

✚Allentown, Penn.—The contract for valves for the water department has been awarded to the RENSSELAER VALVE CO., Troy, N. Y.

Barnesboro, Penn.—According to press reports bids will soon be received by the Borough Council for the construction of a reservoir for the municipal water system. The estimated cost is $7000. Noted Oct. 29.

Conemaugh, Penn.—(Official)—Plans have been approved by the State Department of Health for the construction of a storage reservoir and for the installation of a disinfection plant for the Conemaugh & Franklin Water Co.

Dubois, Penn.—Press reports state that C. W. McKnight, Rome, is preparing plans for the enlargement of the reservoir. H. A. Daly is Chn. of Water Comn.

Hellertown, Penn.—(Official)—The State Department of Health has approved plans for additional sources of water-supply and for the construction of a gravity main.

Philadelphia, Penn.—(Official)—The State Department of Health has approved plans for the construction of loop main extensions to the distributing system in the commercial district.

Williamsport, Penn.—(Official)—Plans have been approved by the State Department of Health for making improvements at the wells and for pumping equipment.

✚Petersburg, Va.—The contract has been awarded to TUCKER & LAXTON, Charlotte, N. C., at $9100 by the Directors of the Central State Hospital, for installing a filtration plant.

Wheeling, W. Va.—A report will be submitted by the Board of Control on the relaying of the 42-in. intake pipe and for the installation of a coal heating system at the water-works in place of the gas heating system. W. J. Scoggins is Supt. of Water Wks.

Southport, N. C.—Bids will soon be received, according to press reports, for the materials for the construction of water and sewer systems. The J. B. McCrary Co., Atlanta, Ga., is Engr. Noted Feb. 18.

Union, S. C.—Bids will be received until Mar. 30 by the city for making extensions to the water system. About 21,120 ft.

of 8-in., 1600 ft. of 6-in. and 2000 ft. of 4-in. pipe, as well as valves and hydrants will be required. Noted Feb. 4 and Mar. 4.

Dadeville, Ala.—An election will be held to vote on the question of issuing $15,000 in bonds, the proceeds of which will be used for the construction of a water system. W. C. Roeck is City Clk.

Dresden, Tenn.—Bids are being received, according to press reports, for material and machinery for the construction of a water system and electric-light plant. The estimated cost is $27,000. P. Porter, Clinton, Ky., is Engr. Noted Nov. 4 and Dec. 3.

Maryville, Tenn.—R. C. Huston & Co., Exchange Bldg., Memphis, has been retained by the city to prepare plans for the construction of a water system. Bonds for $55,000 have been voted. Noted Apr. 30, 1914, and Mar. 4, 1915.

Spring City, Tenn.—The citizens contemplate constructing a water system.

Alliance, Ohio—Chester & Fleming, Pittsburgh, Penn., has been retained to prepare plans for the construction of an elevated reinforced-concrete tank.

Cleveland, Ohio—Bids will be received until noon, Apr. 2, by A. R. Callow, Comr. of Pur. and Supplies, for excavating Baldwin reservoir.

✚Cleveland, Ohio—The contract has been awarded by the Board of Control to the WALSH CONSTRUCTION CO., Davenport, Iowa, at $272,636, for constructing a clear water reservoir.

Coshocton, Ohio—An ordinance, providing for the construction of a 3,000,000-gal. reservoir, has been vetoed by L. N. Staats, Mayor. Noted Mar. 11.

Fostoria, Ohio—Bids will be received until Mar. 31 by E. K. Cunningham, Dir. of Pub. Serv., for the purchase of $65,000 in bonds, the proceeds of which will be used for the construction of a reservoir. Charles Latshaw is City Engr. Noted Sept. 17, 1914, and Jan. 7.

Sandusky, Ohio—(Official)—Bids will be received until noon, Apr. 3, by John J. Molter, Dir. of Pub. Ser., for constructing a 42-in. intake in Sandusky Bay, a concrete intake and crib.

Sebring, Ohio—The water company has retained Chester & Fleming, Pittsburgh, Penn., to appraise the water system in connection with an expert appointed by the city with a view of selling the system.

✚South Newburg, Ohio—(Cleveland post office)—The contract has been awarded for constructing a water main in Granger Rd. to WILLIAM SMITH, Cleveland. Noted Dec. 31 and Feb. 18.

✚Paoli, Ind.—The contract for constructing a pumping station and reservoir has been awarded to the NORWOOD ENGINEERING CO., Florence, Mass. Noted Feb. 4.

Chicago, Ill.—Bids will be received until Mar. 26 by the Board of Local Improvements for constructing water mains in North 48th Ave., South May St., South Carpenter St. and in various other streets. E. J. Glackin is Secy.

✚★Chicago, Ill.—Bids were received Mar. 12 by the Board of Public Works for erecting five pumping engines at Mayfair pumping station as follows: Filer Stowell, Milwaukee, Wis., $497,900; ALLIS-CHALMERS CO., Milwaukee, Wis., at $448,750 (awarded contract); Holly Mfg. Co., Buffalo, N. Y., $489,679; Hooven, Owens, Rentschler Co., Hamilton, Ohio, $498,700; Nordberg Mfg. Co., Milwaukee, Wis., $464,800, and William Tod Co., Youngstown, Ohio, $629,800. Noted Feb. 25.

✚Joliet, Ill.—The contract for constructing a 5,000,000-gal. reservoir has been awarded to H. L. WINSLOW CO., Old Colony Bldg., Chicago, at about $19,500. List of bidders noted Mar. 11.

Menomonee Falls, Wis.—An election will be held Apr. 6 to vote on the question of issuing $20,000 in bonds, the proceeds of which will be used for laying water mains, constructing a standpipe and a reservoir. J. W. Cannon is Clk.

Milwaukee, Wis.—Plans will be completed about Mar. 27 by George F. Stall, City Engr., for the construction of a 9-ft. shore tunnel to connect the new Linnwood Ave. intake with the North Point pumping station. The estimated cost is $225,000. Noted Nov. 5 and Mar. 11.

✚Milwaukee, Wis.—The contract for laying water mains has been awarded to MICHAEL O'DONNELL, 1215½ Clybourn St., Milwaukee, by the Department of Public Works. Bids were opened Mar. 10. Noted Mar. 4.

✚Clear Lake, Iowa—The contract has been awarded to the NATIONAL CO., West Bend, Iowa, for installing a high-pressure filtration plant and for making changes to the pumping system.

✚Duluth, Minn.—The contract has been awarded by the City Commission to the UNITED STATES CAST IRON PIPE & FOUNDRY CO., at $28,377 for c.-i. pipe.

✚New Ulm, Minn.—The contract has been awarded to J. G. ROBERTSON, St. Paul, at $4755, for installing a deep well pump, 60-hp. motor and for connecting the well with the reservoir pipe line. Noted Feb. 25.

✚Burton, Kan.—The contract for constructing a power house for the water-works, engine and motor, pumps, pipe, valves, hydrants, tower and tank has been awarded to the CONNOR CONSTRUCTION CO., 4008 Montgall Ave., Kansas City, Mo., at $20,500. Noted Dec. 24 and Mar. 4.

✚Holton, Kan.—The contract for constructing a water system has been awarded to the B. C. S. CONSTRUCTION CO., Kansas City, Mo., at $11,527. Worley & Black, Reliance Bldg., Kansas City, Mo., is Engr. Noted Nov. 5.

✚Osborne, Kan.—The contract for constructing a water system has been awarded to the EBY CONSTRUCTION CO., Wellington, at $16,203. E. T. Archer & Co., Kansas City, Mo., is Engr.

✚Cook, Neb.—The contract for constructing a water system has been awarded to the ALAMO ENGINE & SUPPLY CO., Omaha, at $12,256. L. H. Frank is Clk.

Sioux Falls, S. D.—A report has been made by Dabney H. Maury, Consult. Engr., Monadnock Blk., Chicago, Ill., to the City Commissioners for the improvement of the water system. The estimated cost is $175,000. Noted Oct. 15 and 29.

★Kansas City, Mo.—(Official)—Bids will be received until 2 p.m., May 5, by J. P. Langan, Pur. Agt., for a steam turbine, reduction gear, centrifugal pump.

Montrose, Colo.—(Official)—The city will advertise about Apr. 19 for bids for the construction of 13,650 ft. of 12-in. and 7600 ft. of 10-in. pipe and for seven miles of 4- to 10-in. c.-i. pipe. J. W. Pinkerton is City Mgr. Noted Feb. 18 and Mar. 11.

Ft. Smith, Ark.—A water system will be constructed in District No. 2 by the Municipal Commissioners. The estimated cost is $28,000. George T. C. Carnall is City Clk.

Malvern, Ark.—Plans, prepared by the J. B. McCrary Co., Atlanta, Ga., have been accepted by the City Council for the construction of a water system and a sewer system. An election will soon be held to vote on the question of issuing $115,000 in bonds for the construction of the systems.

McGehee, Ark.—An election will be held May 1 to vote on the question of issuing $90,000 in bonds the proceeds of which will be used for the construction of water and sewer systems and for an electric-light plant. J. J. Simmons is Mayor.

Mission, Tex.—Hamilton & Horlock, Houston, has been granted a franchise to construct a water system and electric-light plant. The estimated cost is $60,000. Noted Jan. 7.

Timpson, Tex.—Bonds for $17,000 have been voted. The proceeds will be used for the construction of a water system. Noted Aug. 20.

✚Yale, Okla.—The contract has been awarded to the REINHART & DONOVAN CO., Oklahoma, for making extensions to the water system and for constructing an electric-light plant. Noted Jan. 21 and Feb. 11.

Pueblo, Colo.—S. F. Reno, Chn. of the Trustees of the North Side Water Works, has made a report on a mountain water supply. An election will be held to vote bonds, the proceeds of which will be used for making the improvement.

Anacortes, Wash.—(Official)—At a recent election the citizens defeated the bond issue for the purchase and improvement of the plant of the water company. Noted Dec. 3 and Jan. 28.

Bellingham, Wash.—Plans have been prepared for the construction of 5000 ft. of concrete conduit, 30-in. diameter, at the intake on Lake Whatcom.

Kent, Wash.—The Council contemplates constructing a 16-in. steel or c.-i. water main, parallel to the present water main on the west side of the hill. The estimated cost is $7000.

Raymond, Wash.—Bids will be received until Mar. 31 by J. E. Elwood, City Clk., for the purchase of $117,500 in bonds, the proceeds of which will be used for purchase and improvement of the system of the Raymond Water Co. Noted Jan. 28 and Mar. 18.

Tacoma, Wash.—P. S. Savidge, Supt. of Water-Wks., advises the connection of the Hood St. reservoir to South Tacoma pumping station. The estimated cost is $90,000.

Dallas, Ore.—An election will be held May 10 to vote on the question of issuing $52,000 in bonds, the proceeds of which will be used for the purchase and improvement of the local water system.

Portland, Ore.—Bids were received by the Water Department for 50,000 ft. of 2½-in. galvanized iron pipe and fittings as follows: Gauld Co., $7379; Peerless-Pacific Co., $7455; Crane Co., $7713; M. L. Kline, $6318 and Marshall-Wells Co., $6723.

Corning, Calif.—(Official)—Bids will be received until 7:30 p.m., Apr. 6, by E. S. Randall, City Clk., for the purchase of $30,000 in bonds, the proceeds of which will be used for the extension of the water and sewer systems. Noted Nov. 26 and Jan. 28.

✚Modesto, Calif.—The contract has been awarded to the CHICAGO BRIDGE & IRON WORKS, at $5350, by the City Council for constructing a water tank. Noted Mar. 11.

Yorba, Calif.—(Anaheim post office)—The Yorba Water Co., according to press reports, will spend $100,000 for pumping machinery and for the construction of pipe line. Noted Jan. 15, 1914.

Vancouver, B. C.—Extensions will be made to the water system during 1915 at an estimated cost of $30,000.

SEWERS

Boston, Mass.—Bids will be received until Mar. 26 by the Public Works Department for constructing sewers and drains in Alther St., Roxbury, and in Augustus Ave., Crandall and Fletcher St. and in Monticello Rd., West Roxbury. L. K. Rourke is Comr.

Greenwich, Conn.—Plans are being prepared for the construction of a sewage disposal plant, the estimated cost of which is $180,000. Clyde Potts, 30 Church St., New York, N. Y., is Engr. Albert S. Mead is Clk. of Sewer Comn. Noted Feb. 25.

New Haven, Conn.—Bids will be received until Mar. 29 by F. L. Ford, City Engr., for constructing sewers in Tyler, Peck and Miller St. and in King Pl.

Fredonia, N. Y.—(Official)—Plans, prepared by Frederick Wing, White Bldg., Buffalo, for the construction of a sewer system, have been approved by the State Board of Health. Noted Dec. 10.

Hunter, N. Y.—(Official)—A sewer system will be constructed, plans for which have been approved by the State Board of Health.

✚★Mt. Morris, N. Y.—The contract has been awarded to DESIDVEIO & SATTLER, 47 Ward St., Rochester, at $37,317, for constructing a sewer system and a sewage disposal plant. Noted Feb. 18 and Mar. 11.

New York, N. Y.—(Borough of the Bronx)—(Official)—George M. Dunn, 2608 Briggs Ave., was low bidder at $9087, for constructing a sewer in Plimpton Ave. Bids were opened Mar. 16. Noted Mar. 11.

New York, N. Y.—(Borough of Manhattan)—(Official)—The Beaver Engineering Co., 51 Chambers St., submitted the lowest bid at $5000, for sewerage work in 111th St. Bids were opened Mar. 19. Noted Mar. 11.

New York, N. Y.—(Borough of Queens)—(Official)—Bids will be received until 11 a.m., Mar. 31, by Maurice Connolly, Borough Pres., for constructing sewers in Joslin St., Sanford Ave., Steinway Ave., Irving Ave., Decatur St., Brevoort St., Cuthbert Pl., Lefferts Ave., and Audley St.

Pine Bush, N. Y.—(Official)—Plans have been approved by the State Board of Health for the construction of a sewer system.

Port Chester, N. Y.—(Official)—Bids will be received until 8 p.m., Apr. 5, for the construction of a sewer system and sewage disposal plant, estimated to cost $100,000. F. S. Odell, Port Chester, is Engr. R. L. Burns is City Clk.

Ravena, N. Y.—(Official)—The State Board of Health has approved plans for the construction of a sewer system. Morrell Vrooman, Gloversville, is Engr. Noted Dec. 24.

Rochester, N. Y.—Bids will soon be received, according to press reports, by the Board of Contract and Supply, for constructing a sewer tunnel in Main and Front St. The estimated most is $145,000.

Rochester, N. Y.—Plans have been approved by the State Department of Health for constructing the Brighton sewage disposal plant. The estimated cost is $100,000. F. T. Elwood is City Engr. Noted Jan. 21 and Feb. 4.

Wappingers Falls, N. Y.—(Official)—Plans have been approved by the State Board of Health for sewerage work.

Bradley Beach, N. J.—Bids, received Mar. 8 for the construction of an outlet sewer, have been rejected. Bids will be readvertised.

Glen Rock, N. J.—(Ridgewood post office)—The installation of a sewer system and sewage-disposal plant is under consideration.

Hoboken, N. J.—James H. Fuertes, Consult. Engr., New York, N. Y., has submitted plans to the city for the construction of trunk sewers in 11th and 15th St. The estimated cost is $281,552. Noted Sept. 17.

Jersey City, N. J.—(Official)—Bids will be received by the Board of Commissioners until 2 p.m., Apr. 8, for constructing an 18-in. vitrified pipe sewer in Columbia and Germania Ave. M. I. Fagen is City Clk.

Newark, N. J.—The Board of Water Commissioners plans to construct sewers in Fourth Ave., Oraton St., and Telford St. Morris R. Sherrard is City Engr.

✚Allentown, Penn.—The contract has been awarded to GEORGE H. HARDNER, at $11,118 for constructing a storm water sewer in Sumner Ave.

Beaver Falls, Penn.—(Official)—The State Board of Health has approved plans for the construction of Imhoff tanks, disinfection apparatus, pumping station and outfall sewer.

Canonsburg, Penn.—(Official)—Plans have been approved by the State Department of Health for the construction of an outfall sewer, Imhoff tanks and pumping station. Noted Sept. 3.

Emsworth, Penn.—(Allegheny post office)—(Official)—Plans have been prepared and have been approved by the State Department of Health for the construction of a sanitary sewer system.

Kittanning, Penn.—The City Council will retain an engineer to prepare plans for the construction of a sewage-disposal plant.

Monongahela, Penn.—The city will construct a sewer system, estimated to cost $20,000. J. A. Morrow is Engr. Noted Nov. 26.

Plains, Penn.—Plans have been prepared and submitted by Fred Butts, Wilkes-Barre, for the construction of a sewage-disposal plant.

South Brownsville, Penn.—(Official)—The State Department of Health has approved plans for the construction of a sewer system and sewage treatment works.

Turtle Creek, Penn.—(Official)—Extensions will be made to the lateral sewers. Plans have been approved by the State Department of Health.

✚Upper Darby, Penn.—Contracts have been awarded for sewerage work as follows: MARTIN & MILLER, New York, N. Y., $13,500; W. J. McNICHOL, Philadelphia, $48,890; CANTRELL CONSTRUCTION CO., Philadelphia, $34,100 and F. T. BUCKIS, Philadelphia, $22,500. Noted Nov. 5.

Wilmerding, Penn.—(Official)—Plans have been approved by the State Department of Health for extensions to the sewer system.

★Baltimore, Md.—The Elkan-Tufts Construction Co., Macon, Ga., according to press reports, is low bidder at about $100,000, for constructing Gwynn's Run trunk drain, Section No. 1, storm water contract No. 42. Bids opened Mar. 10. Noted Feb. 25.

Laurel, Md.—Bids will soon be received, according to press reports, for the construction of sewer, water and electric-light systems. Harry Stevens, Union Trust Bldg., Washington, D. C., is Engr. The estimated cost is $75,000.

Grantsville, W. Va.—Bonds for $10,000 have been voted, the proceeds will be used for the construction of a sewer system.

Albermarle, N. C.—The citizens contemplate constructing a sewer system.

Walterboro, S. C.—Plans have been prepared by the H. S. Jaudon Engineering Co., Southern Bank & Trust Bldg., Savannah, Ga., for the construction of a sewer system, estimated to cost $13,000. Noted Feb. 18.

Macon, Ga.—Bonds for $30,000 have been voted, the proceeds of which will be used for constructing sewers in the Vineville section. Noted Oct. 8.

Nashville, Tenn.—Lateral sewers will be constructed during 1915 at an estimated cost of $20,000. W. W. Southgate is City Engr.

Lexington, Ky.—The City Commissioners have appropriated $19,000 for the construction of the North Main St. sewer. Noted Feb. 11.

Alliance, Ohio—Bids will be received until Apr. 6 by the Director of Public Service for improving North Arch Ave. undergrade crossing, requiring approximately 1530 lin.ft. 42-in. ring brick or segment block storm sewer, 690 lin.ft. 12 to 24-in. storm sewer, 960 lin.ft. 8 and 12-in. sanitary sewer, 1100 lin.ft. 10, 6 and 4-in. water main lowered, 500 sq.yd. sidewalk, 310 sq.yd. brick pavement, 5000 cu.yd. excavation, streets and alleys.

✚Cleveland, Ohio—The contract for the construction of a sewer in West 110th St. has been awarded to JOHN GALLAGHER, at $12,870; for sewers in 102d St., Dove and Reno Ave. to WILLIAM McDOWELL & SONS CO., at $15,600.

Lowellville, Ohio—Bids will be received until Mar. 29 by C. W. Baker, City Clk., for the construction of sewers in Districts Nos. 1 and 2.

Port Clinton, Ohio—The city plans the construction of a trunk line sewer system. The estimated cost is $83,000.

Salem, Ohio—According to local press reports bids will be received until Apr. 7 for the purchase of $10,000 in bonds the proceeds to be used in completing the intercepting sewer system.

Salem, Ohio—Bids will be received until Apr. 9 for the construction of a sanitary sewer in McKinley Ave. The approximate quantities are: 2220 ft. 8-in. and 2974 ft. 10-in. pipe, ten manholes, one flush tank, and 4058 cu.yd. of excavation.

Springfield, Ohio—The citizens will vote Apr. 6 on the question of issuing $50,000 in bonds, the proceeds of which will be used for the construction of main sewers and a sewage disposal plant.

Attica, Ind.—Bids will be received until Mar. 29 by Weil Light, City Clk., for the construction of 1850 ft. of main sewer and 15,000 ft. of lateral sewer. Daniel R. Young is City Engr.

Indianapolis, Ind.—(Official)—The city has decided to proceed with the construction of a permanent sewage disposal plant. B. J. T. Jeup, City Engr., and Arthur W. Cole, Purdue University, will design the pumping station and building. Arrangements have also been made to have the plans reviewed by George W. Fuller, New York, N. Y. The estimated cost is $2,000,000.

✚Detroit, Mich.—Contracts for the construction of a sewer system on Belle Island Park, including treating plant, pumping plant and manholes have been awarded as follows: Section A, JAYNES & AFFELT; Section B and C, GEORGE R. COOK; Sections D. E. F. G. H. and I, WILLIAM BLANCK & CO. Total estimated cost, $90,000. Noted Dec. 24.

Flint, Mich.—Bids will be received until Apr. 1 by D. E. Newcombe, City Clk., for the construction of a storm sewer in Oakland St. to Flint Rd.; also for a sewer in Mathewson St. The Council has retained W. C. Hoad, Sanitary Engr., University of Michigan, to plan a comprehensive sewerage system.

Grand Rapids, Mich.—W. C. Hoad, University of Michigan, and A. J. Decker, Sanitary Engr., are making a report on sewage disposal. Professor Hoad writes that plans will follow later. The estimated cost of the project is $2,000,000.

Maywood, Ill.—Bids will be received until Apr. 1 by the Board of Local Improvements for the construction of 2½ miles of concrete and vitrified tile pipe outlet sewer; also for 5½ miles of 12- and 15-in. lateral sewers. Robert E. Williams, 118 North La Salle St., Chicago, is Engr.

Madison, Wis.—The City Council is expected to adopt the plans already approved by the Street Committee for the construction of sewer systems for Fair Oaks and West Lawn Heights. The estimated cost is $150,000.

Sheboygan Falls, Wis.—The Common Council will receive bids until Mar. 27 for the construction of sanitary sewers in Monroe St., about 1980 ft.

✚Ames, Iowa—Press reports state that the contract for the construction of sanitary sewers has been awarded to the MOORE SEIG CONSTRUCTION CO., Waterloo, at $8879.

Grinnell, Iowa—Bids will be received until 7:30 p.m., Mar. 31, by A. C. Harriman, City Clk., for the construction of 69,000 ft. of 8- to 24-in. sanitary sewers; also sedimentation tank, filters and sludge bed. The Iowa Engineering Co., Clinton, Iowa, prepared the plans.

Mt. Ayr, Iowa—The city plans to install a sewer system to cost about $30,000. E. T. Archer & Co., New England Bldg., Kansas City, Mo., is Engr.

✚Onawa, Iowa—The contract for the construction of main outlet sewer and purification plant of the new sewer system has been awarded to O. B. REYNOLDS, Council Bluffs, at about $12,000.

Postville, Iowa—Bids will be received by the City Clerk about Apr. 1 for the construction of a sewer system to cost $25,000. The Aetna Engineering Bureau, Chicago, Ill., prepared the plans. Noted Oct. 8, Nov. 12 and Jan. 21.

Minneapolis, Minn.—Press reports state that plans are being prepared by the city for the construction of sewers during 1915 which will cost $1,000,000. Carl Illstrum is Sewer Engr.

✚St. Paul, Minn.—Press reports state that the contract has been awarded for the construction of the Front-McKenty sewer system to E. T. WEBSTER, at $53,434.

St. Paul, Minn.—The Council, Mar. 12, adopted an order authorizing the construction of the Payne-Edgerton sewer system. Estimated cost, $44,584. The Council is also considering the construction of a sewer in Goodrich Ave. from Finn to Cleveland Ave.

✚Osborne, Kan.—The contract for the construction of a sewer system has been awarded to the EBY CONSTRUCTION CO., Wichita, at $16,203. E. T. Archer & Co., New England Bldg., Kansas City, Mo., is Engr.

Bridgeport, Neb.—The city has disposed of a bond issue of $12,000, the proceeds of which will be used for the construction of a sewer system.

Broken Bow, Neb.—An election will be held on Apr. 6 to vote a bond issue of $14,500 the proceeds to be used to construct a sanitary sewer system. H. E. Thompson is City Clk.

Anaconda, Mont.—Press reports state that bids will be received early in April for the construction of a sewer system in Improvement District 177, recently created by the Council. The estimated cost is $130,400.

Belgrade, Mont.—The Town Council plans to construct a trunk line sewer system estimated to cost between $12,000 and $14,000. The proposition will be submitted to the citizens for approval on Apr. 5.

Roundup, Mont.—Bids will be received until 8 p.m., Apr. 5, for the following sewer construction: 3208 ft. 12-in. pipe; 350 ft. 12-in. pipe including Y's, 2957 ft. 10-in. pipe; 13,712 ft. 8-in. pipe; 44 manholes; 14 flush tanks with Miller automatic syphon and necessary Ys; 540 cu.yd. of excavation; 167 cu.yd. gravel filler; 55 cu.yd. of concrete. Total estimated cost, $26,800. Noted Sept. 1, Oct. 29 and Jan. 7.

Siloam Springs, Ark.—The City Council has passed a resolution authorizing the installation of a sewer system. The estimated cost is $50,000. Winters & Dove is Engr. O. P. Maxwell is Chn. of Council.

Cleburne, Tex.—Press reports state that on Mar. 6 the citizens voted favorably on the proposition to issue $180,000 in bonds for the construction of a sewer system. Noted Oct. 8.

Ferris, Tex.—The city has issued bonds for $16,000, the proceeds to be used in constructing a sewer system. It is reported that work will be started soon.

Mission, Tex.—The City Commission will soon call an election to vote on a bond issue of $25,000 for the construction of a sewer system.

El Centro and Imperial, Calif.—Both these cities are considering the construction of an outfall sewer system to New River which will serve the two cities. It would cost Imperial about $70,000. El Centro plans to vote bonds to the extent of $250,000 to provide its share in the construction.

✚Santa Barbara, Calif.—The contract for the construction of the reinforced-concrete pipe storm sewer in Sola St. has been awarded to A. L. PENDOLA and E. A. GARLAND, at $10,440.

Montreal, Que.—Appropriations have been made for the construction of sewers in Boulevard Ste. Marie and 6th Ave., Rosemount. The sum of $47,959 for the construction of additional sewers has also been voted. G. A. Janin, is City Engr.

London, Ont.—The Board of Public Works decided to spend $190,000 on storm sewer construction and $78,000 on trunk sanitary sewers this season, as recommended by Willis Chipman, Consult. Engr., Toronto. H. A. Brazier is City Engr.

Niagara Falls, Ont.—An election will be held soon to vote on the construction of the Muddy Run trunk sewer. The estimated cost is $200,000. F. J. Anderson is City Engr. W. J. Seymour is City Clk.

Stratford, Ont.—The ratepayers have voted favorably on the construction of a main sewer. The estimated cost is $72,000.

Toronto, Ont.—Bids will be received until Mar. 30 for the construction of various sewers. Specifications are on file at the office of R. C. Harris, Comr. of Wks., City Hall, Toronto.

Vancouver, B. C.—The city has decided to construct the Clark Drive sewer. The estimated cost is $319,000. A. D. Baer is Ch. Engr.

GARBAGE

Greenville, S. C.—The city plans the construction of an additional garbage crematory.

Norwood, Ohio—The City Council has requested the Service Director to begin the necessary preliminaries for the construction of a garbage incinerator to cost $10,000. Noted Oct. 29, Nov. 12.

Pontiac, Mich.—The National Reduction Co., Cleveland, Ohio, is seeking a franchise from the city for the installation of an incinerator. The estimated cost is $15,000.

Milwaukee, Wis.—The city contemplates the purchase of two motor trucks for the collection of ashes. F. G. Simmons is Comr. of Pub. Wks.

Sarnia, Ont.—Press reports state that the city contemplates the construction of an incinerator. The estimated cost is $15,000.

STREETS AND ROADS

Boston, Mass.—Bids will be received by the Supply Department until Mar. 29 for 60,000 lin.ft. of edgestone and 2500 lin.ft. of granite flagging. D. Frank Doherty is Supt.

Boston, Mass.—Bids will be received until Mar. 29 by the Public Works Department for constructing hassam block pavement on Braintree St., Brighton District. L. K. Rourke is Comr.

Boston, Mass.—Bids will be received until Mar. 29, by the Public Works Department, for the construction of bituminous macadam roadways in Baste Terrace, West Roxbury District, and in South Sydney St., Dorchester District. L. K. Rourke is Comr.

Brookline, Mass.—Bids will be received until Mar. 29, by the Board of Selectmen, for furnishing edgestone and portland cement; also for the construction of coal tar concrete sidewalks. Alexis H. French is Town Engr.

Cambridge, Mass.—The citizens of Cambridge, Belmont, Arlington and Concord contemplate an expenditure of $88,000 for the improvement of Concord Ave. from Harvard Sq., Cambridge, to the Belmont line.

Lynn, Mass.—Bonds for $70,000 have been sold, the proceeds of which will be used for paving various streets.

Southbridge, Mass.—At a recent town meeting $23,000 was appropriated for street paving. Thomas McGovern is Town Engr.

✚Worcester, Mass.—A contract for 400,000 gal. of road oil has been awarded to JOHN BAKER, JR., 17 Battery Pl., New York.

✚East Providence, R. I.—The Town Council has awarded the contract for paving Taunton Ave. with sheet asphalt to WARREN BROS., Boston, Mass., at $1.68, $1.78 and $1.88 per sq.yd. (variation due to thickness of base).

✚New Haven, Conn.—(Official)—A contract for constructing new concrete sidewalks where necessary has been awarded to RICHARD FAULKNER, 162 Read St. Noted Mar. 11.

Stamford, Conn.—Press reports state that the Street Committee plans to improve Shippan Ave. at an estimated cost of $20,000.

Waterbury, Conn.—Bids will be received until 8 p.m., Mar. 30 by the Board of Public Works for 175,000 gal. of 45% asphaltic road oil. William H. Moher, 111 West Main St., is Clk. of the Bd.

Waterbury, Conn.—Bids will be received until 8 p.m., Mar. 30 by the Board of Public Works for building about 1½ miles of earth highway in the eastern part of Morris Township, in the valley of the west branch of the Naugatuck River. The estimated cost is $15,000.

★Auburn, N. Y.—(Official)—Bids will be received until 8 p.m., Apr. 6, by Charles W. Brister, Mayor, for paving Franklin and Chapel St., and Ave. A. For particulars see advertisement under "Contracts to Be Let.

★Albany, N. Y.—(Official)—Bids will be received until 1 p.m. Apr. 14, by Edwin Duffey, State Highway Comr., 55 Lancaster St., for improving highways in various counties. For particulars see advertisement under "Contracts to Be Let."

Long Beach, N. Y.—At the election held Mar. 13 the citizens voted in favor of issuing $200,000 in bonds, the proceeds of which will be used for improving streets.

Newfane, N. Y.—The Town Council plans an expenditure of $11,000 for improving streets.

New York, N. Y.—(Borough of Bronx)—(Official)—Bids were received Mar. 16 for improving Overing St. from Westchester to Walker Ave. as follows: Samuel Nuger, $5607; Harris Rose, $5995; J. Di Menna, $5615; Simon Russek, Inc., $5625; De Menna & De Blasio, $5282; Cranford Co., Inc., $5658; Burnside Contracting Co., $5125; W. H. Callahan Construction Co., $5249; Di Monna & De Paolo, $5618; Thos. Callahan, $5994. Noted Mar. 11.

New York, N. Y.—(Borough of Bronx)—(Official)—Bids were received Mar. 18 for (a) 200,000 gal. of coal tar road oil, (b) 200,000 gal. tar road oil, (c) 200,000 gal. asphalt road oil, as follows, price per gal.: Barrett Mfg. Co., 17 Battery Pl., (a) $0.068, (b) $0.063; U. S. Asphalt Refining Co., 90 West St., (b) $0.062; J. Baker, Jr., (c) $0.0364; Atlantic Refining Co., (c) $0.038; Standard Oil Co., (c) $0.032; Warner Quinlan Co., 79 Wall St., (c) $0.032.

New York, N. Y.—(Borough of Bronx)—(Official)—Bids will be received until 3 p.m., Apr. 1 by the Park Board for 22,000 gal. refined coal tar and 22,000 gal. tar road oil for parks.

New York, N. Y.—(Borough of Bronx)—(Official)—Bids were received Mar. 16 for improving Holland Ave. from Gun Hill Rd. to East 215th St., as follows: Amana & Lyons, 10 Van Cortland Ave., $9055; J. Di Menna, $10,523; M. J. Sullivan, $9762; De Menna & De Blasio, $10,448; Spadero Contracting Co., $10,555; Simon Russek, Inc., $9813; Andrew Mancini, $10,628; Amana & Sullivan, $10,416; Harris Rose, $9769; Lawrence Contracting Co., $9805. Noted Mar. 11.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 11 a.m., Mar. 31 by L. H. Pounds, Borough Pres. for improving Hewes St. from Wallabout Canal to Classon Ave., Classon Ave. from Hewes St. to Park Ave. and Park Ave. from Classon Ave. to Skillman St.

Penn Yan, N. Y.—Press reports state that bonds for $24,000 have been sold, the proceeds of which will be used for paving Elm St.

★Bayonne, N. J.—(Official)—Bids will be received until 8 p.m., Apr. 6, by the City Council for repaving and improving a number of streets. W. P. Lee is City Clk. For particulars see advertisement under "Contracts to Be Let."

Belvidere, N. J.—Bids will be received until 2 p.m., Mar. 31, by the Board of Chosen Freeholders, for constructing 2.91 miles and 5.755 miles of waterbound macadam pavement. T. W. Salmon, Netcong, is County Engr.

Camden, N. J.—The City Council has decided to construct a boulevard 100 ft. wide from Forrest Hill Park to Hadden Ave.

Cape May, N. J.—Press reports state that the City Council voted in favor of spending $15,000 for repaving Washington St.

✚Deal Beach, N. J.—The contract for paving Norwood Ave. has been awarded to WILLIAM F. McGOVERN, Trenton, N. J., at $23,927. Noted Jan. 28 and Mar. 11.

✚East Orange, N. J.—A contract for 255,000 gal. of non-asphaltic road oil has been awarded to W. S. LOGAN, Newark, at approximately $14,000.

Elizabeth, N. J.—Bids will be received until 2:30 p.m., Mar. 29, for improving Weed Ave. John F. Kenah is City Clk. and Thomas E. Collins is City Engr.

Jersey City, N. J.—The Board of City Commissioners plans to improve Danforth Ave. by paving with belgian block.

Jersey City, N. J.—Plans are being prepared for repaving Grove and Montgomery St. and Communipaw Ave. Henry Byrne is Comr.

Keyport, N. J.—The Borough Council plans to rebuild and improve Broad St. George Cooper, County Engr. of Monmouth County, is making surveys and preparing plans.

Newark, N. J.—(Official)—Bids will be received until 3:15 p.m., Apr. 1, for paving and repaving Central Ave., Margaretta St., Niagara St. The work calls for 3000 sq.yd. of 4-in. wood block and 5000 sq.yd. of mapped reclipped granite pavement. Morris R. Sherrard is Ch. Engr. Bd. St. and Water Comrs.

Newton, N. J.—Bids will be received by the Board of Chosen Freeholders until April 5, for constructing five miles of waterbound macadam on the Newton-Sparta Rd. Harvey Snook is County Engr.

Newton, N. J.—According to press reports bids will soon be received by the Board of Chosen Freeholders of Sussex County for improving the Franklin-Stockholm Rd.

Orange, N. J.—The City Commission contemplates improving Main St. by paving with grouted granite pavement.

Phillipsburg, N. J.—(Official)—Bids will be received until 2 p.m., Apr. 3, by the Board of Commissioners for repaving South Main St. Robert P. Howell is Comr. of Streets and Pub. Imp.

Plainfield, N. J.—Bids will be received by the city until Apr. 5 for improving West Third St. Estimated cost is $10,000. A. J. Gavett is City Engr.

✚Allentown, Penn.—(Official)—The contract for rebuilding the turnpike between Macungie and Shimersville in Upper Milford Township has been awarded to J. D. CHRISTMAN, Macungie, Penn. Noted Feb. 18.

Charleroi, Penn.—The City Council contemplates an expenditure of $65,000 for paving.

Connellsville, Penn.—(Official)—Bids will be received until 8 p.m., Apr. 5, for grading, paving and curbing various streets. Charles F. Hirst, Second National Bank Bldg., Connellsville, is City Engr. Noted Mar. 4.

Dravosburg, Penn.—Bonds for $813,500 were sold Mar. 9, the proceeds of which will be used for improving streets.

Monaca, Penn.—An expenditure of $50,000 is contemplated by the citizens for street paving during the year.

✚Philadelphia, Penn.—The Department of Public Works has awarded contracts for repairing streets as follows: BARBER ASPHALT CO., repaving Fox St., $9551; repaving Tabor St., $8846; EASTERN PAVING CO., repaving Tioga St., $9051; FRANK CURRAN, paving footways in various sections of the city, $37,450.

✚Philadelphia, Penn.—(Official)—Bids were received Mar. 16 by M. L. Cooke, Dir. Dept. of Pub. Wks., for improving Parkway from 19th to 22d St., as follows: McNichol Paving & Construction Co., $151,591; Howard E. Ruch, $152,924; Philadelphia Paving Co., $164,281; Manwaring & Cummins, $165,847. Noted Feb. 25.

Portvue, Penn.—(McKeesport post office)—At the election held Mar. 16 the people voted in favor of issuing $25,000 in bonds, the proceeds of which will be used for improving streets. Noted Mar. 4.

✚Baltimore, Md.—The Board of Awards has awarded a contract for constructing footways around various municipal buildings to the ARUNDEL CONSTRUCTION CO., 419 North Carey St., Baltimore.

✚Baltimore, Md.—The contract for constructing about 37,000 sq.ft. of pavement in Districts Nos. 2, 3 and 4 has been awarded by the Board of Awards to HARRY L. ELDER, Baltimore.

✚Baltimore, Md.—The contract for paving with sheet asphalt several streets in the northwestern and northeastern sections of the city, has been awarded to P. FLANIGAN & SONS, at $94,356.

Boydton, Va.—Bids will be received until Apr. 12 for the sale of $30,000 in bonds, the proceeds of which will be used for improving roads. Noted Feb. 4 and Mar. 4.

✚Richmond, Va.—The contract for repairing Carry St. has been awarded to L. LAWSON, Norfolk, at $9368.

Richmond, Va.—Bids will soon be received by the Supervisors of Henrico County for the grading, draining and improving water-bound macadam, on Hermitage Rd., between Richmond City Limits and Bloomingdale, 0.63 miles; also Chamberlayne Ave., Norwood Ave., and Brook turnpike from Richmond City Limits to Solomon's Store, 3.43 miles; grading, draining and improving with gravel surface 3.38 miles New Market Rd.

Charleston, W. Va.—(Official)—Bids will be received until Apr. 10 by L. C. Massey, County Clk., for constructing 17½ miles of hard surfaced road. A. D. Williams is Ch. Rd. Engr.

Dunbar, W. Va.—Press reports state that the Dunbar Land Co., Charleston, W. Va., plans to construct six miles of sidewalks.

✚Passagrille, Fla.—A contract for constructing about one mile of sidewalks has been awarded to WEISS & BENDER, Pinellas Park, Fla.

Anniston, Ala.—Press reports state that bids will be received until Apr. 7 by the Commissioners of Calhoun County for improving the Piedmont and Jacksonville Rd.

Birmingham, Ala.—Bids will be received until 3 p.m., Mar. 30, by the Board of Commissioners for paving First Ave. from the end of the viaduct to 41st St. Julian Kendrick is City Engr.

Fort Payne, Ala.—Bids will be received until Apr. 9 by the Commissioners of DeKalb County for surfacing the Collinsville and Dawson Gap Rd. with chert. The estimated cost is $7100.

Gadsden, Ala.—Bonds for $200,000 were sold Mar. 8, the proceeds of which will be used for constructing roads in Etowah County. Noted Sept. 24.

Alexander, La.—C. B. Sweetser, Engr., is preparing plans for the construction of roads in Rapids Parish Road District No. 2. Bonds for $100,000 were recently voted for this purpose. Noted Jan. 7.

Lake Charles, La.—Bids will be received by the Police Jury, Calcasieu Parish, until 11 a.m., Apr. 6, for constructing Highways Nos. 5 and 7. E. C. House is Clk.

Thibodaux, La.—The citizens of Lafourche Parish Road District No. 2 will vote Apr. 22 on the question of issuing $80,000 in bonds, the proceeds of which will be used for hard surfacing the road on the east bank of Bayou Lafourche from Theriot Canal, near Raceland to upper end of Lafourche Parish.

Cincinnati, Ohio—Bids will be received by Philip Fosdick, Dir. Pub. Ser., until noon, Mar. 30, for paving Vine St.

✚Cincinnati, Ohio—The Board of Public Service has awarded the contract for paving Orlando Ave. from Harrison Ave. to its southern terminus to the KIRCHNER CONSTRUCTION CO., at $11,364.

Cincinnati, Ohio—Bids will be received by Philip Fosdick, Dir. Pub. Ser., until noon, Mar. 30, for improving Dane Ave.

Cincinnati, Ohio—Bids will be received by the Board of Commissioners of Hamilton County until noon, Apr. 2, for repairing the Loveland-Madeira Rd. in Symmes Township. Fred E. Wesselmann is Pres. of Bd.

Cleveland Heights, Ohio—(Warrensville post office)—Bids will be received by H. H. Canfield, Clk., until noon, Apr. 19, for improving various streets. The F. A. Pease Engineering Co., Marshall Bldg., Cleveland, is Engr.

Columbus, Ohio—Bids will be received until 2 p.m., Apr. 2, by Clinton Cowen, State Highway Comr., for 7.42 miles of road work in Franklin and Prairie Townships.

Columbus, Ohio—Bids will be received by Clinton Cowen, State Highway Comr., until 2 p.m., Apr. 2, for road improvement in Clark County, Section H of Springfield-Washington C. H. Rd. Estimated cost, $26,518.

Columbus, Ohio—Bids will be received by Clinton Cowen, State Highway Comr., Columbus, until 2 p.m., Apr. 2, for the improvement of Brayn Pioneer Rd. in Madison County.

Ironton, Ohio—(Official)—Bids will be received until noon, Apr. 5, by the Commissioners of Lawrence County for the sale of $100,000 in bonds, the proceeds of which will be used for improving and constructing pikes.

Toledo, Ohio—Bids will be received by Charles J. Sanzenbacher, Aur., Bd. of County Comrs., Lucas County, Toledo, until 10 a.m., Mar. 30, for improving and paving required in the repair of all improved roads and parts of roads, according to County Surveyor's report.

Youngstown, Ohio—Bids will be received until Mar. 31 by the Commissioners of Road District No. 1 For the sale of bonds for $66,000, the proceeds of which will be used for road construction.

✚Youngstown, Ohio—(Official)—The contract for constructing 8500 lin.ft. of road in Boardman Township has been awarded to I. W. COY, Calla, Ohio, at $8444. Other bids were: James De Jute, Youngstown, Ohio, $10,076; T. J. Seaborn, Youngstown, Ohio, $9001; Walters & Russell, West Austintown, Ohio, $9857; C. J. Chinnock, Warren, Ohio, $10,587; Youngstown Construction Co., Youngstown, Ohio, $11,798.

Danville, Ind.—(Official)—Bids will be received until 10 a.m., Apr. 19 by the Commissioners of Hendricks County for constructing six roads. L. W. Borders is County Audr.

Frankfort, Ind.—(Official)—Bids will be received by the city until 10 a.m., Apr. 1, for the improvement of two streets and one alley with brick, concrete, asphaltic concrete or bituminous macadam involving 13,690 sq.yd. roadway, 41,00 sq.yd. concrete sidewalk, 10,000 ft. curb, 3200 ft. 10- and 12-in. tile sewer and other work. Estimated cost, $38,170. R. H. Boynton is City Engr.

✚Indianapolis, Ind.—The Board of Public Works has awarded contracts for paving as follows: REPUBLIC CONSTRUCTION CO., Rural St., at $3.89 per lin.ft.; Bellefontaine St., $2.96 per lin.ft.; MARION COUNTY CONSTRUCTION CO., Caven St., 2.55 per lin.ft.; COLUMBIA CONSTRUCTION CO., Daly St., $2.90 per lin.ft.

Shelbyville, Ind.—(Official)—Bids will be received until 11 a.m., Apr. 7, by the Commissioners of Shelby County for constructing a gravel road in Shelby Township and a crushed stone road in Liberty Township. F. W. Fagel is County Audr.

✚Dundee, Mich.—The contract for paving Monroe St. has been awarded to the RICE CONSTRUCTION CO., Wyandotte, Mich., at $7456. Noted Feb. 11.

✚Eagle River, Mich.—A contract for constructing 3.58 miles of road in Keweenaw County has been awarded to the SMITH-BYERS-SPARKS CO., Houghton, Mich., at approximately $20,000.

Monroe, Mich—At an election to be held Apr. 5, the question of issuing $20,000 in bonds for macadamizing the Toledo-Monroe Rd., will be submitted to the voters.

St. Johns, Mich.—The citizens of Clinton County contemplate holding an election to vote on the question of issuing $240,000 in bonds for constructing roads.

✚El Paso, Ill.—Contracts have been awarded for paving Main and Sycamore St. to I. D. LAIN, Bloomington, Ill., at $31,624 and $13,286 respectively.

✚Rushville, Ill.—The contract for paving various streets has been awarded to P. H. TIERNAN, Macomb, at $31,000. Noted Mar. 11.

Springfield, Ill.—(Official)—Bids will be received by the State Highway Commission until 11 a.m., Mar. 31, for State Aid work. William W. Marr is State Highway Comr.

✚Springfield, Ill.—(Official)—The State Highway Commission has awarded a contract to the GROHNE CONSTRUCTION CO., Joliet, at $12,866, for road work in Bureau County, Sections A and B. Noted Mar. 4.

Algoma, Wis.—Bids will be received by the Board of Public Works until Mar. 25 for paving five squares on Fourth St. and five squares on Fremont St. with an 18-ft. reinforced-concrete pavement. Frank Chapek is Chn. of Bd.

Dodgeville, Wis.—The Common Council has decided to pave Main St. with an 18-ft. concrete surface. About $10,000 is available for the purpose.

Milwaukee, Wis.—Plans are being prepared for F. G. Simmons, Comr. Pub. Wks., for laying a sandstone block pavement on Grand Ave. from Fourth to Eighth St., to replace present vitrified brick pavement.

Richland Center, Wis.—Bids will be received until Mar. 26 by G. H. Mainwaring, County Highway Comr., for 18,750 sq.yd.

of paving, 12,000 cu.yd. of grading, 4400 lin.ft. of curb and gutter and 1400 ft. of concrete.

Stevens Point, Wis.—W. F. Reichardt, Watertown, Wis., has been retained by the city to prepare plans and specifications for all paving and street improvement work during 1915. Details are not yet available, but approximate requirements are 6000 sq.yd. reinforced-concrete paving.

Clarinda, Iowa—(Official)—Bids will be received until Apr. 8 by T. A. Wilson, City Mgr., for 12,700 yd. of paving. M. G. Hall is City Engr.

+Clarinda, Iowa—(Official)—The contract for paving Chestnut, Grant and Water St. has been awarded to J. S. McLAUGHLIN & SONS, Red Oak, Iowa, at $23,195. Noted Jan. 21.

Dubuque, Iowa—Bids will be received until 2 p.m., Mar. 31, by John Inghram, County Audr., for grading and resurfacing with gravel the Iowa Post Road, about 20 miles long.

+West Liberty, Iowa—A contract for paving Third, Fourth, Calhoun and Spencer St. has been awarded to C. PETERSON, Kenosha, Wis. Noted Feb. 4.

+Topeka, Kan.—The City Commission has awarded contracts for paving as follows: 21 blocks of brick paving, OLSON & SCHMIDT, St. Joseph, Mo., at $78,468; asphalt paving except on 11th St., J. R. RAMSEY, Lawrence, at $57,600; asphalt paving on 11th St., KAW PAVING CO., at $5954. Noted Mar. 4.

+Columbus, Neb.—A contract for paving a number of streets with bitulithic has been awarded to JAMES HORRABIN CO., Des Moines, Iowa.

Fargo, N. D.—(Official)—Bids will be received by the city until Apr. 8 for about 45,000 sq.yd. of paving. A. R. Watkins is City Audr. and Frank Anders is City Engr.

Kansas City, Mo.—Bids will be received until Mar. 30 by the Board of Public Works for paving portions of Euclid, Independence, Winchester, and Tracy Ave.; also for 10,000 sq.yd. artificial stone sidewalk and about 12,000 lin.ft. of stone curbing.

Weston, Mo.—Bids will be received until noon, Mar. 27, by the City Council for 8000 cu.yd. of bituminous pavement. Charles E. McCrae, 221 Reliance Bldg., Kansas City, Mo., is Engr.

Cameron, Tex.—Press reports state that bonds for $100,000 have been sold, the proceeds of which will be used for constructing and improving roads in Thorndale District No. 6.

Corpus Christi, Tex.—Bids for paving about sixty blocks of city streets will soon be called for. The proposed improvement will cost about $400,000. Roy Miller is Mayor.

Houston, Tex.—Bids will be received until 10 a.m., Apr. 12 for paving a portion of Main St. The estimated cost is $187,000. E. E. Sands is City Engr.

Pecos, Tex.—Bonds for $100,000 were sold Mar. 8, the proceeds of which will be used for roads in District No. 1, Reeves County.

Port Lavaca, Tex.—An election will be held Apr. 10 to vote on the question of issuing $35,000 in bonds, the proceeds of which will be used to construct roads in District No. 2, Calhoun County.

Sherman, Tex.—An election will be held Apr. 17 to vote on the question of issuing $900,000 in bonds, the proceeds of which will be used for constructing roads.

Thorndale, Tex.—The Commissioners Court of Milam County will soon advertise for bids for the construction of good roads in the Thorndale Road District to cost about $100,00.

Bellingham, Wash.—Bids will be received until Apr. 5 by W. Wallace, Audr. of Whatcom County, for constructing a portion of Highway No. 5. The estimated cost of the work is $50,000.

Concrete, Wash.—Bids will soon be received by the City Council for improving Main St. The estimated cost is $10,800. A. L. Strong is Engr.

+Port Townsend, Wash.—The contract for constructing permanent highway No. 2-A has been awarded to JAMES H. COYNE, Port Townsend, Wash., at $8900. Noted Mar. 18.

Seattle, Wash.—Bids will be received until Apr. 12 by A. P. Denton, County Engr. of King County, for constructing the D. C. Mitchell Rd. The estimated cost is $40,000.

+Tacoma, Wash.—The contract for grading and paving Mullen St. has been awarded to the McHUGH CONTRACTING CO., at approximately $5000.

+Portland, Ore.—The contract for paving Grand Ave., Brooklyn and Karl St. with asphalt has been awarded to WARREN CONSTRUCTION CO., Portland, at $23,024.

Salem, Ore.—Bids were received Mar. 17 and contract awarded by County Commissioners for constructing the Mitchell Point Section, Columbia Highway, in Hood River County as follows: STANDIFER-CLARKSON CO., Northwest Bank Bldg., Portland, Ore., $40,343; Giebish & Joplin, 407-411 Rothschild Bldg., Portland, Ore., $54,427; Porter & Conley, Inc., & Ed. Wren, 219 Lumber Exchange Bldg., Portland, Ore., $47,463; A. Guthrie & Co., Inc., 624 Pittock Block, Portland, Ore., $45,048; Carlson, Chindahl & Co., 322 Fernwell Bldg., Spokane, Wash., $45,077; Elliott Contracting Co., 207 McKay Bldg., Portland, Ore., $47,728; Jeffrey & Bufton, Union Ave., Portland, Ore., $57,252; Robert Lee Ringer, 530 E. 31st St., Portland, Ore., $48,884; Clarence Hoard, Box 216, Victoria, B. C., $54,083; Grant, Smith & Co., 619 Fernwell Bldg., Spokane, Wash., $50,840; Copenhagen Bros., 925 Yeon Bldg., Portland, Ore., $42,722; Taylor & Robbins, 735 Hoyt St., Portland, Ore., $57,856; Transfer Livery Co., Inc., Hood River, Ore., $46,473; Cowlits Bridge Co., Yeon Bldg., Portland, Ore., $46,908; Ryan & Beer, 309 Henry Bldg., Portland, Ore., $45,927.

+Los Angeles, Calif.—The CALIFORNIA-ARIZONA CONSTRUCTION CO. has been awarded the contract at $9391 for improving Kenmore Ave. from Sunset Blvd. to Fountain Ave.

Oxnard, Calif.—Press reports state that this city contemplates holding an election for the purpose of voting on the question of issuing $25,000 in bonds for improving streets.

Sacramento, Calif.—Bids will be received until Apr. 5 by the State Highway Commission for improving state highways as follows: Orange County, about four miles; Tulare County, 13½ miles; Yolo County, 8½ miles; Yuba County, three miles. Austin B. Fletcher is State Highway Engr.

+Stockton, Calif.—The contract for improving about eight miles of the Upper Sacramento Rd. has been awarded to IVEY & McCLEARY, Lodi. Noted Feb. 25.

+Tropico, Calif.—A contract for improving a section of Cypress St. has been awarded to E. A. McCOMBS and J. S. BURKE at approximately $8000.

Amherstburg, Ont.—The City Council plans to pave Richmond St. with concrete, at an estimated cost of $15,000.

New Westminster, B. C.—(Official)—We are advised by J. W. B. Blackman, City Engr., that the paving of Sixth St. from Columbia to Third Ave. and Carnavon St. from Eighth St. to the bridge will be done by day labor. Noted Mar. 11.

INDUSTRIAL WORKS

Hartford, Conn.—Plans are being prepared for the construction of a five-story, 85x145-ft. warehouse at 1419 Main St. for Garber Bros. Estimated cost, $65,000.

Highland Park, Conn.—According to press reports the Case Paper Co., Manchester, Conn., contemplates the reconstruction of its plant recently destroyed by fire. Estimated cost, $200,000.

Stamford, Conn.—The United Skirt Mfg. Co. plans to construct a two-story, 50x80-ft. factory on Beckley Ave. Estimated cost, $10,000. Joseph Gruber is interested.

Waterbury, Conn.—Plans are being prepared for the construction of a four-story, 80x100-ft. addition to the plant of the Scoville Mfg. Co. Estimated cost, $40,000.

Buffalo, N. Y.—The Vacuum Oil Co. has had tentative plans prepared for the construction of an addition to its plant. Estimated cost, $40,000.

+New York, N. Y.—(Borough of Brooklyn)—The contract for the construction of a three-story, 41x227-ft. factory near Bergen Beach, for the Atlantic White Lead & Linseed Oil Works, 135 Marshall St., has been awarded to the WILLIAM KENNEDY CONSTRUCTION CO., 215 Montague St. The estimated cost is $80,000.

+New York, N. Y.—(Borough of Manhattan)—(Official)—The contract for the construction of a nine-story warehouse on 107th St. near Columbus Ave. for the Chelsea Storage Warehouse Co., has been awarded to McDERMOTT & HANIGAN, INC., 103 Park Ave. Estimated cost, $100,000. Noted Dec. 10.

+New York, N. Y.—(Borough of Queens)—(Official)—The contract for the construction of a three-story factory at Blissville, L. I., for the Standard Oil Co., has been awarded to the TURNER CONSTRUCTION CO., 11 Broadway, New York, N. Y.

Rensselaer, N. Y.—William Barnet & Son plans to rebuild its plant recently destroyed by fire. The loss was $300,000.

Watertown, N. Y.—The Winslow Day Co., 430 Court St., contemplates the construction of a three-story, 50x152-ft. reinforced-concrete storage building.

Bridgeton, N. J.—Greenebaum & Co. contemplates the construction of a factory on Elmer St. Estimated cost, $16,000.

Newark, N. J.—Plans are being prepared by the Moyer Engineering & Construction Co., 375 Fulton St., Brooklyn, N. Y., for the construction of an eight-story, 95x123-ft. loft building at Halsey St. and Maiden Lane for the Essex Press. William E. Gilmore is Pres. Estimated cost, $150,000.

+Newark, N. J.—SALMOND BROS. CO., 526 Elm St., Arlington, has been awarded the contract for the construction of a one-story, 29x50-ft. concrete factory at 123 Sylvian Ave. for the St. Mongo Mfg. Co. of America, 81 Mt. Prospect Ave. The estimated cost is $15,000.

Allentown, Penn.—According to press reports the Arbogast & Bastian Co. is having plans prepared for the construction of a six-story addition to its plant.

Frankford, Penn.—(Philadelphia post office)—Plans have been prepared by Ballinger & Perrot, Arch., for the construction of a one-story, 50x275-ft. addition to the plant of William & Harvey Rowland, Tacony and Lewis St. Estimated cost, $45,000.

Pittsburgh, Penn.—Plans are being prepared by Hunting & Davis, Century Bldg., for the construction of a seven-story, 60x110-ft. warehouse for the P. H. Butler Co., 1205 Liberty Ave.

Birmingham, Ala.—Preliminary plans are being prepared for the construction of a cotton-seed oil mill for the Union Cotton Oil Co. Estimated cost, $100,000. J. G. Whitfield and George A. Blinn are interested.

+Memphis, Tenn.—The contract for the construction of a factory for the Shelby County Oil Mill Co., 450 North Bellevue Ave., has been awarded to FRED B. YOUNG & SONS, at $17,266.

Cleveland, Ohio—Preliminary plans are being prepared by Carl White, Arch., Citizens Bldg., for the construction of a three-story factory for the Morgan Lithograph Co., St. Clair Ave. N. E. and East Third St. Estimated cost, $150,000.

Cleveland, Ohio—Plans are being prepared by Richardson & Yost, Arch., 354 Rockefeller Bldg., for the construction of a three-story, 80x114-ft. factory for the National Telephone Supply Co. The estimated cost is $100,000. Noted Sept. 17.

+Cleveland, Ohio—The contract for the construction of an eight-story warehouse at 1278 West Ninth St. for the W. Bingham Co. has been awarded to the CROWELL-LUNDOFF-LITTLE CO. The estimated cost is $600,000.

Salem, Ohio—Preliminary plans are being prepared for the construction of an addition to the plant of the W. H. Mullins Co., manufacturer of steel boat and automobile parts.

Steubenville, Ohio—The Steubenville Stone Co. plans to construct a four-story reinforced-concrete warehouse. Peterson & Clark is Arch.

Uhrichsville, Ohio—Plans are being prepared for the construction of a four-story, 112x160-ft. factory for the American Sewer Pipe Co.

Chicago, Ill.—Plans have been prepared by George F. Poulsen, Arch., for the construction of a one-story, 47x125-ft. factory for the German-American Ball Bearing Mfg. Co. Estimated cost, $12,000.

Chicago, Ill.—The Weller Mfg. Co., 1834 North Kostner Ave., plans to construct a one-story machine shop. R. Kirkpatrick is Arch. The estimated cost is $25,500.

Chicago, Ill.—Bids will be received about Apr. 15 by J. Jones, 110 North Morgan St., for the construction of a warehouse for the National Biscuit Co. The estimated cost is $250,000.

Chicago, Ill.—Rueckheim Bros. & Eckstein has purchased a site at Sangamon and Congress St. and contemplates the construction of an eight-story factory to cost $200,000.

La Crosse, Wis.—Plans are being prepared for the construction of a one-story, 80x125-ft. addition to the Wisconsin Pearl Button Co. Estimated cost, $20,000. Daniel W. McMillan is Pres.

Madison, Wis.—Plans are being prepared for the construction of a warehouse for the J. I. Case Threshing Machine Co., Racine. Estimated cost, $30,000.

Omaha, Neb.—Plans are being prepared for the construction of a plant for the W. T. Redman Perfect Hollow Wall Concrete Form Mfg. Co. Estimated cost, $100,000.

Kansas City, Mo.—Edwin W. Shields contemplates the construction of a six-story garage with 45,000 sq.ft. of floor space.

✚Kansas City, Mo.—The contract for the construction of a seven-story reinforced-concrete motor car factory for the Studebaker Corporation, Detroit, Mich., has been awarded to the SWENSON CONSTRUCTION CO. Estimated cost, $100,000.

Idaho Falls, Idaho—Plans are being prepared for the construction of an addition to the Utah Idaho Sugar Co. Estimated cost, $75,000. B. R. Smoot is Supt.

Davenport, Wash.—The Banner Meat Co., Davenport, Wash., contemplates the construction of a cold-storage plant. Estimated cost, $10,000.

★Portland, Ore.—Plans have been prepared by Jacobberger & Smith for the construction of a two-story factory for the Coin Machine Mfg. Co. The estimated cost is $25,000. Noted Jan. 28.

Los Angeles, Calif.—Plans are being prepared by John F. Blee, Arch., 509 Union League Bldg., for the construction of a five-story reinforced-concrete warehouse for the Neptune Meter Co., 90 West St., New York.

Juneau, Alaska—Preliminary plans are being prepared for the construction of a factory for the Vendlyssel Packing Co.

FEDERAL GOVERNMENT WORK

Building—Portland, Maine—Bids for constructing the steerage barracks and storehouse at the Quarantine station will be opened at 3 p.m., Apr. 20. Mention of this date was omitted in issue of Mar. 8.

Post Office—Brattleboro, Vt.—Bids were received for the construction of the post office at Brattleboro, (a) using limestone for all stonework except where granite is required, (b) using standstone for all stonework except where granite is required, (c) using granite for all stonework below the first-floor level and marble for all stonework above the first-floor level, as follows: Charles W. Wright, East Lynn, Mass., (a) $99,939, (b) $102,939, (c) $109,039; Potter's Lumber Co., East Liverpool, Ohio, (a) $109,000, (b) $112,000; George B. Wills & Co., New York, (a) $98,675, (b) $99,765, (c) $108,765; W. H. Fissel & Co., New York, (a) $98,300, (b) $103,000, (c) $106,700; Elliott & Kleslich, Burlington, Vt., (a) $131,324, (b) $138,500, (c) $141,000; M. Yeager & Son, Danville, Ill., (a) $104,945, (b) $109,445, (c) $114,945; C. M. Leach, Boston, Mass., (a) $107,771, (b) $109,753, (c) $118,811; E. T. Abbott Construction Co., New York, (a)$94,345, (b) $97,400, (c) $102,900; Westchester Engineering Co., White Plains, N. Y., (a) $96,429, (b) $104,000, (c) $105,929; King Lumber Co., Charlottesville, Va., (a) $109,724, (b) $115,000, (c) $125,000; Colonial Construction & Supply Co., Charlottesville, Va., (a) $119,987, (b) $122,937; Lewis P. Fluhrer Co., New York, (a) $105,533; Wiley & Foss, Fitchburg, Mass., (a) $103,709, (c) $111,309; John Lowry, Jr., New York, (a) $94,870, (b) $97,670, (c) $104,500; George Baker Long, Worcester, Mass., (a) $102,300, (b) $106,300, (c) $111,730; James E. Cashman, Burlington, Vt., (a) $125,297, (b) $125,747, (c) $139,232; Norman Ker Co., New York, (a) $103,400, (b) $104,400, (c) $113,200; Woodbury & Leighton Co., Boston, Mass., (a) $107,878, (b) $109,878, (c) $116,878; Conners Bros. Co., New York, (a) $99,043, (b) $101,500, (c) $108,200. Noted Feb. 11.

Cranes and Bridge—Newport, R. I.—Bids will be received until 11 a.m., Apr. 10, by H. R. Stanford, Chief, Bureau of Yards and Docks, Navy Dept., Washington, D. C., for two 2½-ton 3-motor electric traveling cranes and one movable bridge, delivered and erected at the Naval Torpedo Station, Newport.

Building Improvements—Newport, R. I.—Bids will be received until 11 a.m., Apr. 10, by H. R. Stanford, Chief, Bureau of Yards and Docks, Washington, D. C., for roofing, sheet-metal work, iron work, plumbing, heating, lighting, painting, and wood block pavements for new buildings, at the Naval Torpedo Station, Newport.

★Dredging—New London, Conn.—Bids were received as follows for approximately 100,000 cu.yd. of dredging in the Connecticut River, prices being per cu.yd.: Hartford & New York Transportation Co., Hartford, Conn., 13c., and John A. Seely, 30 Church St., New York, 25c. Noted Feb. 18.

Building—Gloucester, N. J.—Bids will be received until 3 p.m., Apr. 20, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for the construction of the receiving building for the Philadelphia Immigration Station at Gloucester. It will be a one-story, frame building, and will cost about $50,000.

✚Retaining Wall—Washington, D. C.—The contract for constructing the concrete retaining wall on the west (16th St.) side of the Meridian Hill Park has been awarded to the BOYLE-ROBERTSON CO., Washington, at $23,397. Noted Feb. 11 and Mar. 18.

★Alterations and Additions to Stable—Fort Monroe, Va.—Bids will be received until noon, Apr. 15, by the Quartermaster, for constructing alterations to casements and addition to Quartermaster Stable, including plumbing and electric lighting.

★Improving Post Office and Court House—Pensacola, Fla.—Bids will be received until 3 p.m., Apr. 29, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for improving the post office and court house at Pensacola.

✚Repairs to Buildings—New Orleans, La.—The contract for making repairs to buildings at the naval station has been awarded to C. A. EURE, Hattiesburg, Miss., at $28,658. Noted Feb. 14 and Mar. 4.

★Manila Bolt Rope—Memphis, Tenn.—Bids will be received until 11 a.m., Apr. 10, by Maj. E. M. Markham, Custom House, Memphis, for furnishing and delivering 62,200 lb. pure manila bolt rope.

★Wire, Wire Strand, Staples, Clips—Memphis, Tenn.—Bids will be received until noon Apr. 10, by Maj. E. M. Markham, Custom House, for furnishing and delivering about 725,000 lb. galvanized wire, silicon bronze wire, wire strand, and staples, and 36,000 wire rope clips.

★Cement—Louisville, Ky.—Bids will be received until noon Apr. 19 by Maj. J. C. Oakes for furnishing and delivering American portland cement for Dam No. 43, Ohio River.

Cement, Limestone, Sand—Ashtabula, Ohio—Bids will be received until 2 p.m., Mar. 31, by the Lighthouse Inspector, Buffalo, N. Y., for furnishing and delivering at Ashtabula Harbor about 1400 bbl. of portland cement, 800 yd. of broken limestone and 500 yd. of sand.

✚Cement—Fort Leavenworth, Kan.—The contract for furnishing 5000 bbl. portland cement has been awarded to the UNION SAND & MATERIAL CO., Kansas City, Mo., at $6725.

✚Canal Work—St. Ignatius, Mont.—The contract for the earthwork on the Pablo Lateral A and sublaterals of the Flathead Project, Mont., has been awarded to A. L. MARKHUS, Polson, Mont., at $16,570. Noted Nov. 12 and Dec. 24.

✚Post Office—Uvalde, Tex.—The contract for the construction of a post office at Uvalde has been awarded to GEORGE W. HINCHLIFF CO., Chicago, Ill., at $52,400. Noted Dec. 17, Jan. 28 and Mar. 4.

Post Office—Ardmore, Okla.—Bids will be received until 3 p.m., Apr. 28, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for the construction of a post office at Ardmore, to be three stories and basement, of brick and stone. The building will cost about $142,000.

Canal Excavation—Grand Junction, Colo.—The following bids were received for about 640,000 yd. of excavation in the vicinity of Grand Junction and Fruita, Colo. The work is divided under seven schedules: Charles Wilhite & Co., Boise, Idaho, (a) Schedule 1, $25,125, (b) Schedule 2, $21,374, (c) Schedule 3, $13,710, (d) Schedule 4, $18,040, (e) Schedule 5, $12,865, (f) Schedule 6, $11,365, (g) Schedule 7, $9115, (h) total, $111,594; King & Son, (f) $13,528; Bate Miller & Co., Springville, Utah, (c) $13,100; Walsh Construction Co., Davenport, Iowa, (a) $22,510, (b) $20,609, (c) $13,555, (d) $16,575, (e) $14,072, (f) $12,422; (g) $9947, (h) $109,692; Reynolds Ely Construction Co., Springville, Utah, (a) $22,890, (b) $19,070, (c) $12,618, (d) $15,785, (e) $12,802, (f) $11,302, (g) $9052, (h) $103,519; Orman Construction Co., Montrose, Colo., (a) $16,180, (f) $14,280; (g) $11,430, (h) $41,891; C. A. Riley & Co., Omaha, Neb., (a) $30,605, (b) $26,859, (c) $17,680, (d) $21,615, (e) $14,065, (f) $12,415, (h) $123,239; Mesmer & Rice, Los Angeles, Calif., (a) $24,706, (b) $19,884, (c) $13,100, (d) $15,876, (e) $12,774, (f) $11,274, (g) $9024, (h) $106,638; Mendenhall, Straw & Bird Co., Springville, Utah, (a) $24,230, (b) $18,092, (c) $11,946, (d) $16,110, (e) $11,536, (f) $10,186, (g) $8161; (h) $100,261; Winston Bros. Co., (a) $23,680, (b) $19,884, (c) $11,500, (d) $18,759, (e) $11,985, (f) $12,085, (g) $9085, (h) $106,978; Maurice A. Wogan, Denver, Colo., (a) $35,816, (b) $32,124, (c) $21,100, (d) $25,486, (e) $14,080, (f) $12,435, (g) $9967, (h) $151,008. Noted Feb. 11.

✚Canal Work—Payson, Utah—The contract has been awarded for the construction of lateral 30 of Division 5, Highline Canal, Strawberry Valley project, to the WASATCH GRADING CO., Salt Lake City, Utah, at $47,084. This work consists of approximately 49,000 cu.yd. of earthwork and 3670 yd. of reinforced concrete and is located near Payson. Noted Jan. 28 and Mar. 11.

✚Pumping Units—Benton City, Wash.—The U. S. Reclamation Service has awarded the contract for furnishing direct pumping units for the pumping plants of the Outlook irrigation district, Sunnyside Unit, Yakima project, to CHARLES C. MOORE & CO., San Francisco, Calif., at $10,611, delivered at station nearest the work.

Post Office—Everett, Wash.—Bids were received for the construction of a post office at Everett, (a) using light-colored limestone for all exterior stonework except where granite is required, (b) using local standstone produced in the State of Washington for all exterior stonework except where granite is required, (c) using light-colored sandstone (exclusive of that produced in the State of Washington) for all exterior stonework except where granite is required, (d) using granite for all exterior stonework, the building to be granite faced, except where brick is indicated on the plans, as follows: Martin & Dugan, Seattle, Wash., (a) $132,900, (b) $132,500, (c) $137,534, (d) $157,500; Sound Construction & Engineering Co., Seattle, Wash., (a) $112,517 ,(b) $112,107, (c) $123,500, (d) $134,500, $137,132; King Lumber Co., Charlottesville, Va., (a) $163,800, (b) $159,400, (c) $170,000, (d) $189,000; M. Yeager & Sons, Danville, Ill., (a) $118,569, (b) $117,957, (c) $125,569, (d) $137,381; Erikson & Larson, Seattle, Wash., (a) $115,138, (b) $114,487, (c) $114,886, (d) $137,325; McAdam

Bros., Everett, Wash., (a) $136,970, (b) $136,460, (c) $137,045, (d) $159,695; Pearson Construction Co., Seattle, Wash., (a) $128,200, (b) $127,600, (d) $154,100; Olsen & Johnson, Missoula, Mont., (a) $105,500, (b) $106,650, (c) $106,300, (d) $129,875; J. B. Cullen Construction Co., Janesville, Wis., (a) $139,961, (b) $140,961, (d) $179,598; Campbell Building Co., Salt Lake City, Utah, (a) $117,500, (b) $117,500, (d) $141,700; Henrickson & Co., Seattle, Wash., (a) $114,344, (b) $109,344, (c) $111,319, (d) $127,344; J. B. Sweatt, Spokane, Wash., (a) $126,453, (b) $126,089, (c) $125,953, (d) $150,683; William H. Maxwell, Bangor, Maine, (a) $133,381, (b) $137,881, (d) $154,381; Butler Construction Co., Seattle, Wash., (a) $119,900, (b) $110,200, (c) $129,100, (d) $139,500. Noted Feb. 18.

Building—Neah Bay, Wash.—Bids will be received by D. F. Houston, Secy., Dept. of Agriculture, Washington, D. C., until noon, Apr. 27, for the erection of a two-story frame cottage, telegraph office building, at Neah Bay.

✚Bungalows—Mare Island, Calif.—(Vallejo post office)—The contract for the construction of two bungalows at the naval station has been awarded to S. J. WEEKS, 331 Eldorado St., Vallejo, at $6975. Noted Feb. 25.

Vessel—San Francisco, Calif.—Bids will be received by the Bureau of Light Houses, Dept. of Commerce, Washington, D. C., until Apr. 27, for constructing the steel light house tender "Cedar," about 1750 tons displacement.

Lumber, Hardware, Roofing Paper—Ketchikan, Alaska—Bids will be received by the Light House Inspector, Ketchikan, until 2 p.m., Apr. 1, for furnishing approximately 55 M ft. spruce, 7 M ft. cedar and 5 M ft. of fir lumber, miscellaneous hardware, roofing paper and steel rail and fittings for Cape St. Elias Light Station.

Pumping Plant—Panama—Bids were received Mar. 17, by Maj. F. C. Boggs, Corps of Engineers, U. S. A., General Purchasing Officer, The Panama Canal, Washington, D. C., for the design, fabrication, delivery and supervision of erection, of a complete pumping plant for Dry Dock No. 1, at the Pacific terminus of the Panama Canal, and for the fabrication and delivery of four flooding valves arranged in pairs, each pair provided with screens and guard valves, provision for screens and guard valves for a twin discharge culvert, cylinders for actuating four sluice valves, said material to be embedded in or supported by the concrete structure of Dry Dock No. 1. The pumping plant will consist of four main pumps, two drainage pumps and one bilge or seepage pump. The water to be handled is salt, weight to be considered 64 lb. per cu.ft., average temperature, 80° F. The main pumps will be required to pump out the dry dock at any stage of the tide. The drainage pumps will be capable of laying bare the floor of the suction chamber at any stage of the tide. The bilge pump will be required to handle salt or fresh water, and will be capable of laying bare the floor of the lowest part of the pump well at any stage of the tide, whether the drainage pumps are running or not. Bids are subdivided as follows: (a) design, fabrication and delivery of all parts (structural, mechanical, electrical and hydraulic), for the pumping plant, in accordance with government specifications; (a-1) same, in accordance with bidder's specifications; (b) design of all parts (structural, mechanical, electrical and hydraulic), and fabrication and delivery of all parts except structural, for the pumping plant, in accordance with government specifications, (b-1) same, in accordance with bidder's specifications; (c) material for valves and accessories, based on the use of water under pressure of approximately 300 lb. per sq.in.; (c-1) same, based on the use of water direct from the mains; (c-2) same, based on the use of compressed air from compressor plant. The bidders were: Alberger Pump & Condenser Co., 140 Cedar St., New York, N. Y., (a) $147,845; Allis-Chalmers Manufacturing Co., Milwaukee, Wis., (b-2) $179,000; Hanscom Construction Co., Boston, Mass., (a) $153,172, (b) $143,676; C. C. Moore & Co., San Francisco, Calif., (a) $185,000, (b) $172,000, (a-1) $181,639, (b-1) $168,539; Poole Engineering & Machine Co., Baltimore, Md., (a) $154,500, (c) $51,225; R. D. Wood & Co., Philadelphia, Penn., (a) $144,500, (b) $133,000, (c) $47,500; A. S. Cameron Steam Pump Works, 11 Broadway, New York, (a) $153,348; Henry R. Worthington, 115 Broadway, New York, (a) $140,834, (b) $129,121; Pittsburgh Valve Foundry & Construction Co., Pittsburgh, Penn., (c) $62,500; Seattle Dry Dock Construction Co., Seattle, Wash., (c) $55,000, (c-1) $64,000, (c-2) $59,000.

MISCELLANEOUS

✚Station Improvements—Boston, Mass.—The Boston Transit Commission has awarded the contract for enlarging the Park St. station to COLEMAN BROS., Boston, at $12,164.

Asphaltic Road Oil—Waterbury, Conn.—See item under "Streets and Roads."

Fire and Police Department Equipment—Albany, N. Y.—Appropriations for the following improvements will soon be asked of the Common Council: $10,000 for construction of an addition to the police stable; $4000 for motor patrol wagon; $8000 for extension of the fire alarm system; $8000 for two motor chemical and hose wagons.

Oils—New York, N. Y.—(Borough of the Bronx)—(Official)—See item under "Streets and Roads."

Fill—New York, N. Y.—(Borough of Brooklyn)—(Official)—The following bids were received by the Department of Parks for furnishing and placing 230,000 cu.yd. of earth fill along the Shore Rd. between 94th St. and Ft. Hamilton Ave.; Rogers & Haggerty, 18c. per cu.yd.; Cullen Fleming Contracting Co., 18.5c.; H. Steers, Inc., 19.4c.; Norton & Gorman, 19.9c.; O'Brien Bros., Inc., 23.25c.; Moran Towing & Transportation Co., 24c.; F. V. Smith, Inc., 24c.; Wilson & English, 33c.; Oelson Contracting Co., 36c. Noted Mar. 4.

✚Motor Tractors—New York, N. Y.—(Borough of Manhattan)—The Department of Street Cleaning has awarded a contract for furnishing 12 motor tractors to the GENERAL VEHICLE CO., INC., at $49,992.

Corporation Yard—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until 2 p.m., Apr. 1, by the Borough President for the construction of a corporation yard under the Manhattan Bridge between Madison and Monroe St.

Drydocking, Painting and Scraping—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until noon, Mar. 31, by the Commissioner of Docks for furnishing the materials and labor necessary for drydocking, scraping, scaling, cleaning and painting the hulls of the municipal ferryboats.

Artificial Granite Balustrade—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until 3 p.m., Apr. 1, by the Park Board, Municipal Bldg., for the construction of an artificial granite balustrade on top of the present granite coping of the speedway bulkhead wall.

Tar Road Oil and Coal Tar—New York, N. Y.—(Borough of Manhattan)—(Official)—See item under "Streets and Roads."

Wood Paving Blocks—New York, N. Y.—(Borough of Manhattan)—(Official)—See item under "Bridges."

Dock—Niagara Falls, N. Y.—Press reports state that the Municipal Harbor Board is considering the construction of a municipal dock. Joseph E. Montague is Pres.

Motor Fire Apparatus—Rome, N. Y.—On Mar. 4 the citizens voted favorably on the proposition to issue $15,000 in bonds, the proceeds to be expended for motor fire apparatus.

Fire Station—Edgewater, N. J.—The citizens will vote, Apr. 27, on the proposition to issue $45,000 in bonds to cover the cost of erecting a fire station and purchase of motor apparatus.

Fire Apparatus—Jersey City, N. J.—Frank Hague, Comr. Pub. Safety, has recommended that the contract for furnishing seven horse-drawn engines, three motor-driven aërial trucks and three fuel wagons be awarded to the American La France Fire Engine Co., Inc., 17 Battery Pl. New York, at its bid of $79,995. Noted Mar. 4.

Fire Equipment Bonds—Long Branch, N. J.—The city plans to issue $32,000 in bonds, the proceeds to be used for the construction of a fire station, the purchase of motor apparatus, and the installation of an alarm system.

✚Dike—Newark, N. J.—The Essex County Mosquito Extermination Commission, 790 Broad St., Newark, has awarded the contract to J. R. MONOHAN, Red Bank, at 22.50c. per lin.ft. for the construction of about one mile of dike in Newark meadows.

Motor Fire Equipment—Easton, Penn.—D. W. Nevin, Mayor, has sent a recommendation to the City Council that it take steps toward completing the motorization of the fire department. T. P. Ricker is Ch., Fire Dept.

Mine Drain—Hazleton, Penn.—The Lehigh Valley Coal Co. has ordered preliminary surveys to be made for the construction of 5½ miles of tunnel for draining the Hazleton coal basin into Butler Valley. The estimated cost is $3,000,000.

✚Package Elevators—Philadelphia, Penn.—The Department of Wharves, Docks and Ferries has awarded the contract for the installation of package elevators at the Southwark piers to the LINK BELT ENGINEERING CO., at $15,250. Noted Mar. 18.

★Competition for Engineers and Architects—Pittsburgh, Penn.—(Official)—Applications will be received until 1 p.m., Apr. 10, from engineers, architects and landscape architects for entrance in a competition for designing an entrance to Schenley Park. Committee on Competition, 634 Oliver Bldg., Pittsburgh. See advertisement under "Contracts to Be Let."

Subway—Pittsburgh, Penn.—Plans have been completed by A. D. Neely, Consult. Engr., for the construction of a twin tube subway from East Carson and Third St. to the Pittsburgh Ry. Co.'s southern portal. The estimated cost is $1,927,854.

Dredging and Bulkhead—Norfolk, Va.—Walter H. Taylor, City Engr., has sent a recommendation to the board of control urging the strengthening of the eastern bulkhead and dredging the slips at the Roanoke dock.

Motor Fire Apparatus—Wheeling, W. Va.—The Fire Committee has asked the City Council to authorize a bond issue of $100,000 for the motorization of the fire equipment.

Motor Fire Apparatus—Charlotte, N. C.—A special committee of the Board of Aldermen is receiving bids for furnishing the fire department with an aërial truck. From $9000 to $10,000 will be spent. A. H. Wearn is City Clk.

Drainage Bonds—Wilmington, N. C.—Bids will be received by M. F. H. Gouverneur, Secy., County Drainage District No. 1, for the purchase of $21,000 in bonds.

Drainage—Shrewsbury, La.—Bids will be received until Mar. 30 by the Board of Commissioners, Fourth Jefferson Drainage District, for constructing canals and other necessary work in Sub-Drainage District No. 2. Ernest Arnoult is Secy.

✚Drainage—White Castle, La.—The contract for the construction of the White Castle drainage canal has been awarded to W. H. LAWES, at 4.75c. per cu.yd. A bond issue of $60,000 was recently voted to defray the cost of this project.

Elimination of Grade Crossing—Alliance, Ohio—Bids will be received until noon, Apr. 6, by James T. Ricard, Dir. Pub. Ser., for the construction of a reinforced-concrete subway under the tracks of the Pennsylvania R.R. at Arch St. The estimated cost is $100,000.

Docks—Cleveland, Ohio—The city plans the construction of municipal docks on the land fronting upon Lake Erie and controlling Cleveland's inner harbor. The title to this tract of land, 30 acres, has recently been awarded to the city after a 21-year legal battle with the Pennsylvania, Lake Shore & Michigan Southern and Big Four railroads.

✚Dredging—Cleveland, Ohio—The Board of Public Service has awarded the contract for dredging in the Cuyahoga River to the GREAT LAKES DREDGE & DOCK CO., at $40,680. Noted Mar. 11.

✚Coal Station—Cleveland, Ohio—The city has awarded a contract to the MASTER & MULLENS CONSTRUCTION CO., 454 Rose Bldg., at $38,000, for the construction of a three-story coal station on Division St.

Dredging—Mansfield, Ohio—C. L. Bushy, County Engr., has been commissioned to make surveys in Richland and Ashland Counties for 13 miles of dredge work. The estimated cost is $65,000.

Retaining Wall and River Improvements—Tiffin, Ohio—(Official)—Bids will be received until noon, Apr. 20, by William Heller, Dir. Pub. Service, for deepening, widening and straightening the Sandusky River in the city of Tiffin. In addition to the specified excavation separate bids will be received for concrete retaining walls.

Creek Improvement—Wooster, Ohio—The Commissioners of Summit and Wayne counties are contemplating dredging and widening Chippewa Creek. Estimated cost, about $50,000.

Dredging—Hartford City, Ind.—Bids will be received until Apr. 20 by Frank Wallace, Supt. of Construction of Blackford County, for dredging Lick Creek. The estimated cost is $48,000.

✚Gymnasium—Beloit, Wis.—Beloit College has awarded the contract for the construction of a gymnasium, containing swimming pool, to JOHN SCHNEIBERG, Beloit. E. D. Eaton is Pres.

Motor Trucks—Milwaukee, Wis.—See item under "Garbage."

Ditch—Latimer, Iowa—Press reports state that the County Commissioners, Hampton, contemplate the construction of 7 miles of drainage ditch. Two miles will be open and five miles of tile. The estimated cost is $175,000.

Elimination of Grade Crossing—Duluth, Minn.—The Duluth, Missabe & Northern Ry. has had plans prepared for the construction of a subway at Highland St. for the elimination of its grade crossing. The estimated cost is $44,000.

Ditch—Le Sueur, Minn.—Bids will be received until Apr. 2 by the County Auditor for the construction of a drainage ditch, requiring about 140,000 cu.yd. of excavation. The estimated cost is $16,337. Bids will also be received for completing a spur of County Ditch No. 38, about 33,500 cu.yd. Estimated cost, $3850.

Wharves—Beaumont, Tex.—The Magnolia Petroleum Co. will soon award contracts for the construction of 1000 ft. of reinforced-concrete wharves on property recently purchased from the Caswell estate.

Tunnel—Salt Lake City, Utah—L. A. Martin, of Martin & Co., brokers, Salt Lake City, is promoting a company which will construct a drain, transportation and irrigation tunnel to facilitate ore handling at Tintic. Reports state that bids will be received about May 1. Estimated cost $1,000,000.

Ditches—Bellingham, Wash.—C. M. Adams, County Engr., is preparing plans for the construction of the following drainage work; three miles of open ditch in district No. 8, estimated cost $12,000; ten miles of ditches in Custer District at an estimated cost of $18,000; ditch to drain 2000 acres in district No. 9, $5000. Noted Jan. 14.

Drainage—North Yakima, Wash.—Bids have been received by the commissioners of Yakima County for drainage work in district No. 2. The following bids were submitted on open and closed ditches for cash and taking pay in bonds:

	Closed Ditch		Open Ditch	
	Cash	Bonds	Bonds	Cash
Carlson-Chindal Co., Spokane	$70,940.77	$74,067.96	$20,724.41	$21,711.26
Hans Pederson, Seattle	73,539.44	73,539.44	28,388.97	28,388.97
George P. Wright, Tacoma	76,305.55	76,577.39	23,403.18	23,403.18
Guthrie-McDougall Co., Portland	78,927.55	78,927.55	21,652.26	21,652.26
Twohy Bros., Spokane	82,823.48	87,157.57	33,346.14	35,181.60
Cascade Construction Co., North Yakima	85,296.26	86,894.16	25,629.64	26,504.83
Chamberlain Construction Co., Seattle	86,305.22	86,305.22	30,893.07	30,893.07
Washington Paving Co., Tacoma	86,992.11	92,836.82	20,851.35	22,011.92
O. F. Leonard, Seattle	95,120.81	99,992.37	26,808.90	28,248.91
Mitchell Bros., Spomane	96,521.91	100,512.88	20,013.94	20,915.26
Stilwell Bros., Inc., Seattle	96,714.69	102,499.27	38,043.13	39,746.80
S. Normile, Seattle	100,044.06	105,864.28	23,059.43	24,715.28
Nettleton-Bruce-Eschbach Co., Seattle	118,112.86	124,018.60	28,847.99	30,237.12
Elliott Construction Co., Portland	127,560.29	132,997.07	19,705.29	19,705.89
G. L. Kline, Mabton, Wash	100,044.06	105,864.28	23,059.43	24,715.28

✚Cement—Seattle, Wash.—The Seattle Port Commission has awarded the contract for furnishing 20,000 bbl. of cement for use in the construction of the seven-story fruit storage building to the SUPERIOR PORTLAND CEMENT CO., at $2.25 per bbl.

Sprinkler System—Seattle, Wash.—Bids will be received until Mar. 31, by the Port of Seattle Commission for the installation of a dry pipe automatic sprinkler system in the freight shed at Smith's Cove. The estimated cost is $15,000.

Pipe Line—Lakes Albert and Summer, Ore.—(By Telegraph)—The following reply has been received in answer to an inquiry concerning the construction of a pipe line and plant for extracting salts from Lakes Albert and Summer: The Oregon legislature has ratified a lease to Jason C. Moore, 141 Broadway, New York, for the privilege of extracting salts from the waters of Lakes Albert and Summer. A payment of $10,000 has already been made to the state and an additional $15,000 will be paid by May 20. It is reported that the Goulds are financing the project. Preliminary plans and investigations are being supervised by J. G. Kelley, Engr., Commerce Bldg., Portland. The company's Portland representative is Chester A. Sheppard, of the firm of Sheppard & Brock, Atty., Henry Bldg. The proposed plant will be constructed at the intersection of the Columbia and Deschutes Rivers from which a 14-in. Oregon Fir pipe line will be laid to the lakes in question, a distance of 275 miles. The estimated cost is $2,000,000. Portland representatives have announced that finances have been arranged and construction will begin immediately.

Canal—Fresno, Calif.—Press reports state that the San Joaquin Light & Power Co. plans to construct a canal from a point on the Camp Nelson branch of Tule River to its power house at Springfield a distance of nine miles. This construction will necessitate two miles of tunneling.

★Cement, Stone, Pipe—Westmount, Que.—(Official)—Bids will be received until noon, Apr. 5, by the Secretary-Treasurer of the City Council for supplies for the year beginning May 1, 1915. P. E. Jarman is City Engr.

Drainage—Sombra, Ont.—Surveys have been completed and bids will soon be received for the construction of an extensive drainage system. The work will include eight miles of dredge excavation, six miles of team and scraper work and the construction of ten reinforced concrete bridges. The estimated cost is $42,882. G. A. McCubbin, 135 King St., Chatham, Ont., is Engr.

Subway Work—Toronto, Ont.—The City Council has approved the Controller's action in voting $100,000 for widening the Yonge St. subway.

★Miscellaneous Supplies—Toronto, Ont.—(Official)—Bids will be received until noon, Mar. 30, by T. L. Church, Mayor and Chn. Bd. of Control, for furnishing supplies for civic railways and coal for Water Supply section.

BUILDINGS

Other items relative to Building Construction will be found under the following headings: "Industrial Works;" "Federal Government Work" and "Miscellaneous."

Lynn, Mass.—The Vallodolid Council, Knights of Columbus, plans to construct a club house on North Common St. Estimated cost, $100,000. James J. Donaho, Treas., is in charge.

North Adams, Mass.—The Adams Opera House Co. plans to construct a four-story, 75x160-ft. building. J. McArthur Vance, 24 North St., Pittsfield, is Arch. Estimated cost, $60,000.

✚Springfield, Mass.—(Official)—The contract has been awarded to A. E. STEPHENS CO., Springfield, at $178,000, for the construction of a seven-story Y. M. C. A. building. Kenneth Roblie is Gen. Secy. Noted Feb. 25 and Mar. 4.

Worcester, Mass.—Bids will soon be received for the construction of a building on Main St. for the Merchants National Bank. Frank H. Kendall, Boston, has prepared plans. Noted Feb. 4.

Bristol, R. I.—The citizens voted on Mar. 15 to appropriate $40,000 for the construction of a brick school. H. W. Church is Chn. of School Bd.

Providence, R. I.—(Official)—Bids will be received until 2:15 p.m., Apr. 5, by the Board of Contract and Supply for the construction of a school on Laurel Hill Ave. Clarke & Howe, 1304 Turks Head Bldg., is Arch. Joseph H. Gainer is Mayor and Chn. of Bd. Noted Jan. 7 and Mar. 11.

✚Providence, R. I.—The CHARLES B. McGUIRE CO. has been awarded the contract for the construction of a three-story, 48x120-ft. brick block on Fountain and Matthewson St. for Julius Palmer.

Warren, R. I.—The citizens on Mar. 15 voted to appropriate $50,000 for the construction of a school. Daniel L. Morrisey is Chn. of School Bd.

Bristol, Conn.—(Official)—Wise & Upson, Hartford, at $62,835, submitted the lowest bid for the construction of a school on Maple St., for District No. 1. Walter P. Crabtree, 272 Main St., New Britain, is Arch. Noted Jan. 21 and Mar. 4.

Buffalo, N. Y.—Plans have been prepared by Green & Wicks, Arch., 110 Franklin St., for the construction of a $3,500,000 group of municipal hospital buildings proposed by the West Farm Commission. The group includes a pathological building, power house, two service buildings, two receiving buildings and an isolation building.

★Industry, N. Y.—(Official)—Bids will be received until noon, Apr. 13, by Mrs. Warham Whitney, Pres. of Bd. of Mgrs. of the State Agricultural and Industrial School, for the construction of additions and alterations to the hospital building. Lewis F. Pilcher, Capitol, Albany, is State Arch.

Kings Park, N. Y.—(Official)—Bids were received Mar. 18 by the State Hospital Commission for the construction of an addition to the Kings Park State Hospital, as follows: Maurice Mead, Albany, $72,000, $24,480; Edwin Outwater, Inc., 18 East 41st St., New York, $78,510, $26,826; R. T. Ford Co., 206 South Ave., Rochester, $83,500, $27,000; Simon Russek, Inc., 261 Broadway, New York, $87,400, $29,800; Aroldo Barbaresi, Mount Vernon, $88,873, $31,988; William H. Egan, 147 East 125th St., New York, $90,354, $31,749; Frank Sibenaler, New Rochelle, $92,000, $32,500; Austin W. Summers, Buffalo, $95,650, $33,200; Neptune B. Smyth, Inc., 413 East 34th St., New York, $97,428, $32,782; L. J. Kennedy, Port Chester, $99,600, $33,538. Noted Mar. 11.

Newark, N. Y.—(Official)—Henry H. Stebbins, Pres., Bd. of Trustees, New York State Custodial Asylum for Feeble-Minded Women, received bids Mar. 4 for the construction of cottages as follows: J. F. Growe Construction Co., Albany, $47,595; J. H. Waight, Hornell, $77,360; O'Brien Construction Co., Syracuse, $46,920; O. E. Schuman, Newark, $43,516; A. Friederich Sons Co., Rochester, $45,798; Durolithic Co., Buffalo, $50,000; R. T. Ford Co., Rochester, $46,995; Morris & Allen, Inc., Buffalo, $51,764; Curran & Swartout, Rochester, $45,000; C. A. Hager, Buffalo, $50,109; E. J. Forbes & Son, Geneseo, $46,996; Steinbrenner-Fischer Co., Inc., Niagara Falls, $53,620; William F. Felton, Buffalo, $47,363; Austin W. Summers, Buffalo, $46,270.

Newark, N. Y.—(Official)—Bids were received Mar. 4 by Henry H. Stebbins, Pres., Bd. of Trustees, New York State Custodial Asylum for Feeble-Minded Women, for the construction of a building as follows: A. Friederich Sons Co., Rochester, $43,229; Durolithic Co., Buffalo, $46,500; O'Brien Construction Co., Syracuse, $47,698; John H. Waight, Hornell, $73,710; J. H. Growe Construction Co., Albany, $47,095; W. F. Felton, Buffalo, $44,160; R. T. Ford Co., Rochester, $42,596; Morris & Allen, Inc., Buffalo, $50,990; Curran & Swartout, Rochester, $45,500; C. A. Hager, Buffalo, $46,800; Austin W. Summers, Buffalo, $40,498; Steinbrenner-Fischer Construction Co., Niagara Falls, $54,553. Noted Feb. 11.

✚New York, N. Y.—(Borough of Manhattan)—The contract for the construction of an office building on the site of the Astor House, Broadway and Vesey St., for the Astor Estate, 23 West 26th St., has been awarded to MARC EIDLITZ & SON, 30 East 42d St. Charles A. Platt, 11 East 24th St., is Arch.

+New York, N. Y.—(Borough of Manhattan)—The contract for the steel work for the proposed building at 1457 Broadway, for Brokaw Bros., has been awarded to the HINKLE IRON CO., 534 West 56th St., New York. Estimated cost, $500,000. Noted Jan. 28 and Feb. 25.

New York, N. Y.—(Borough of Manhattan)—H. Craig Leverance and William Van Alen, Archs., 4 West 37th St., have prepared plans for the construction of a one-story addition to the building at 26 Broadway, owned by the Standard Oil Co. The estimated cost is $100,000.

New York, N. Y.—(Borough of Manhattan)—Griffen & Wynkoop, Arch., 30 Church St., has prepared plans for the construction of a 16-story jail, court and detention house for women on West 30th St. near Seventh Ave. for the Department of Correction. The estimated cost is $450,000.

+New York, N. Y.—(Borough of Queens)—(Official)—The contract for the construction of Public School No. 41 on Crocheron and Franklin Ave., Bayside, has been awarded to FRANK J. FELGENHAUER CO., INC., 4 Court Sq., Brooklyn, at $81,879. Noted Mar. 4 and 18.

New York, N. Y.—(Borough of Queens)—Plans are being prepared by H. T. Jeffrey & Son, Arch., 923 Lefferts Ave., Richmond Hill, for the construction of a three-story, 64x97-ft. hotel at Harriman and Shelton Ave., Jamaica, for Robert E. Adolph, 80 Herriman Ave. Estimated cost, $125,000.

New York, N. Y.—(Borough of Queens)—Plans are being prepared by H. T. Jeffrey & Son, 923 Lefferts Ave., Richmond Hill, for the construction of a four-story, 65x110-ft. apartment house at Union and Sanford Ave., Flushing, L. I., for Robert E. Adolph, 80 Herriman Ave., Jamaica. Estimated cost, $100,000.

New York, N. Y.—(Borough of Queens)—(Official) — The following bids were received by the Board of Education for the construction of Public School No. 93 on Forest Ave. between Woodbine and Madison St.: Harvey, Abrahams & Melius, $289,700; H. C. Stowe Construction Co., 221 Greenpoint Ave., Brooklyn, $267,630; T. A. Clarke Co., 122 Livingston St., Brooklyn, $267,600; J. Kressi, $267,800; Morgan Construction Co., $267,992. Noted under Borough of Manhattan, Feb. 4.

New York, N. Y.—(Borough of Richmond)—Bids are being received by Fred L. Metcalf, Arch., 143 North Ave., Plainfield, N. J., for the construction of a two-story parochial school at West New Brighton, S. I., for the Church of the Sacred Heart. Estimated cost, $100,000. Noted Jan. 28.

New York, N. Y.—(Borough of Richmond)—The Bethlehem Orphans Home contemplates the construction of a building. Estimated cost, $100,000. D. Lankenan is Pres.

New York, N. Y.—(Borough of Richmond)—Plans have been prepared by D. Santoro, Tompkinsville, S. I. for the construction of a four-story building at Tompkinsville, for the Westervelt Construction Co. Estimated cost, $40,000.

Collingswood, N. J.—The Board of Education contemplates a bond issue of $75,000 for the construction of additions to the E. C. Knight High School. The Board also plans an addition to the Tatem primary school and a building on the site of school No. 3. Noted Feb. 25.

Harrison, N. J.—The Board of Education contemplates the construction of a school at Harrison.

Jersey City, N. J.—The City Council voted Mar. 18 to issue $283,000 in bonds for the construction of a city hospital, nurses' home and a maternity hospital. John Rowland, Jr., Arch., 98 Sip Ave., has prepared plans.

+Morristown, N. J.—The contract for the construction of a wing to the Memorial Hospital has been awarded to STURGIS BROS., at about $65,000. Noted Jan. 7.

Newark, N. J.—Plans are being prepared by William E. Lehman, Arch., 738 Broad St., for the construction of a two-story fireproof market on Broad and Green St. for Apfelbaum & Apfelbaum, Inc., 207 Market St.

Newark, N. J.—J. H. & W. C. Ely, Firemen's Bldg., has prepared plans for the construction of a three-story parental home on Sussex Ave., between Duryea and Hecker St., for the Board of Trustees of Essex County Parental Home. Estimated cost, $40,000. Noted under Bayonne, N. J., Mar. 18.

+Nutley, N. J.—The contract for the construction of a two-story school on Harrison St. has been awarded to E. M. WALDRON & CO., 34 South Sixth St., Newark. Estimated cost, $40,000. Noted Feb. 18.

Princeton, N. J.—(Official)—We have been advised that the construction of a dormitory for Princeton University will not be started this year. John G. Hibben is Pres. Noted Mar. 18.

Union, N. J.—Bids are being received by William H. McElfatrick, 701 Seventh Ave., New York, N. Y., for the construction of a two-story, 129x180-ft. building on Hackensack Plank Rd. and Bergenline Ave. for Carl F. Michelfelder, 86 Park St., Montclair. Estimated cost, $100,000.

Bellowsville, Penn.—(Monaca post office)—Bids for the construction of a $105,000 county building have been received as follows: Fike & Cartwright, Midland, $125,585; Martsolf Bros. Co., Seventh St., Beaver Falls, $103,650; R. B. McDanel & Co., 11th St., New Brighton, $116,688; L. C. Kirker, 904 Fourth Ave., Beaver Falls, $99,995; Cook, Anderson & Co., Fifth St., Beaver Falls, $99,542; Ley Construction Co., Park Bldg., Pittsburgh, $96,846; R. L. McKim, 732 Crescent Ave., Ellwood, $111,143; McDonald & Hartman, 204 Water St., Beaver Falls, $108,648. Noted under Beaver Falls, Penn. Mar. 4.

Greensburg, Penn.—E. E. Bailey & Co., Arch., Chamber Bldg., Oil City, has prepared plans for the construction of a seven-story, 25x100-ft. bank and office building for the Westmoreland National Bank. The cost will be between $50,000 and $100,000. Noted Sept. 24 and Dec. 24.

Harrisburg, Penn.—Plans have been prepared for the construction of a school at Fifth and Mahantongo St. The estimated cost is $75,000. D. D. Hammelbaugh is Secy. of Finance Com.

Marshalsea, Penn.—(Bridgeville post office)—The Councilmanic Committee on Charities and Corrections contemplates the construction of an asylum building. Estimated cost, $350,000.

+Philadelphia, Penn.—(Official)—The contract for the construction of a three-story school at 56th St. and Kingsessing Ave. has been awarded to HENRY L. BROWN, 1714 Sansom St., at $279,597. Other bids were: Cramp & Co., Denckla Bldg., $280,174; William R. Dougherty, 1608 Sansom St., $286,000; Edwin F. Fonder, Land Title Bldg., $291,500; Roydhouse, Arey & Co., Fidelity Bldg., $299,847. Noted Mar. 18.

Pottsville, Penn.—Bids will soon be received for the construction of a one-story building for the Pennsylvania National Bank. Estimated cost, $50,000. Mowbray & Uffinger, 56 Liberty St., New York, N. Y., is Arch.

Tarentum, Penn.—The citizens have voted in favor of issuing $100,000 in bonds. The proceeds will be used for the construction of a school in the First Ward.

+Parkersburg, W. Va.—The contract for the construction of a two-story building for the Second National Bank has been awarded to H. H. VOUGHT & CO., 70 East 45th St., New York, N. Y. The estimated cost is $80,000. Noted Dec. 31.

Savannah, Ga.—Plans are being prepared by Alfred C. Bossom, Arch., 366 Fifth Ave., New York, N. Y., for the construction of a five-story, 60x140-ft. building for the American Bank & Trust Co.

Knoxville, Tenn.—The Directors of Post C, Travelers' Protective Association, and Council No. 91, United Commercial Travelers, plan to construct a clubhouse. Estimated cost, $50,000.

Memphis, Tenn.—W. C. Duttlinger, Chn. of Bldg. Com., is in charge of the construction of an auditorium. The estimated cost is $400,000.

Nashville, Tenn.—Bids will be received until Apr. 6 by Samuel Hannaford & Son, Arch., Sixth and Vine St., Cincinnati, Ohio, for the construction of a laboratory building for the Vanderbilt University. The estimated cost is $250,000. Noted Dec. 17 and 31.

Louisville, Ky.—The Louisville Athletic Club, 1010 Starks Bldg., plans the construction of an 11-story building. Estimated cost, $100,000.

+Canton, Ohio—(Official)—The contract for excavating and shoring for the Central High School has been awarded to F. A. DOWNS CONSTRUCTION CO., at $28,469. Other bids were: Robert C. Dickey, $46,000; Cable & Cable, $36,000; George H. White & Son, $28,984; Fred R. Jones Co., Chicago, Ill., $31,800; Franklin Bros., Akron, $38,885; Dawson Construction Co., $29,190. W. C. Lane is Clk. of Bd. of Education. Bids will be received about Apr. 1 for the general construction. Noted Jan. 28 and Mar. 11.

+Cincinnati, Ohio—The contract for the construction of a 10-story office building on Sixth and Sycamore St. for Val. Duttenhofer, Jr., has been awarded to the ROCHE-BRUNER BUILDING CO., 609 Johnston Bldg. Estimated cost, $184,000 Noted Feb. 18.

+Cincinnati, Ohio—The contract has been awarded to JACOB WEBER, 1667 Spring Lawn Ave., for the construction of an addition to the Cincinnati Sanitarium, Hamilton Ave., College Hill.

Cincinnati, Ohio—Bids will be received until noon, Apr. 12, by the Clerk of the Board of Education, City Hall, for the construction of the Warsaw School on Glenway near Sunset Ave. C. W. Handman, 511 West Court St., is Business Mgr. of Bd.

+Cincinnati, Ohio—The general contract for the construction of the $2,500,000 court house and jail for Hamilton County has been awarded to CHARLES McCAUL CO., 2107 North Broad St., Philadelphia, Penn., at $1,385,480. Noted July 23, Sept. 3, Dec. 3 and 10, and Feb. 25.

+Cleveland, Ohio—Contracts for the construction of the 13-story building for the Union National Bank have been awarded to CROWELL, LUNDOFF & LITTLE CO., 1957 East 55th St., general contract; RAYMOND CONCRETE PILE CO., 140 Cedar St., New York, N. Y., concrete piles. Noted Oct. 22.

Cleveland, Ohio—The Board of Education plans to construct a model school to be used as a central high school and for general offices of the city schools of Cleveland It will be included in a group of buildings to be constructed and to cost about $1,000,000.

Cleveland, Ohio—Plans have been submitted to P. J. Phillips, Plan Examiner, for the construction of a 13-story building on Euclid Ave. for the Union National Bank. Estimated cost, $500,000. Noted Oct. 22.

Cleveland, Ohio—The city plans to rebuild its two-story central market on Ontario St. Charles Kamp is City Marketmaster.

Cleveland, Ohio—Plans have been prepared by W. St. Lougee, Arch., 500 Marshall Bldg., for remodeling the Meckes Homestead at Franklin Circle into a Detention Home for Boys E. G. Krause is Clk. Estimated cost, $60,000.

Cleveland, Ohio—Plans are being prepared by W. St. Lougee, Arch., 500 Marshall Bldg., for the construction of a three-story fireprooof commercial and theater building at West 25th and Denison Ave., S. W., for W. G. Marshall, of the Marshall Drug Co., Superior Ave., N. W., and Public Sq. Estimated cost, $55,000.

Cleveland, Ohio—Willard Hirsh, Arch., 1302 Swetland Bldg., is preparing plans for the construction of a commercial and apartment building at East 103d and St. Clair Ave. for Harry S. French, of the Machinery Forging Co., Hamilton Ave., N. E.

Cleveland, Ohio—Plans are being revised by Nicola Petti, Arch., 709 Williamson Bldg., for the construction of a four-story, 50x75-ft. motion picture theater and commercial building for the Italian Publishing Co., 821 Central Ave. Estimated cost, $60,000. Noted Nov. 5 and Dec. 10.

Columbus, Ohio—The state plans to construct a state office building. Estimated cost, $300,000. A. V. Donahey is State Audr. and John Brennen, State Treas.

Fremont, Ohio—The Masonic Organizations have purchased a site for the construction of a Masonic Temple. Estimated cost, $50,000.

✚Lakewood, Ohio—The contract for the construction of a Masonic Temple at Andrews and Detroit Ave. has been awarded to J. W. CHRISTFORD, 1452 Highland Ave., at $98,570. Noted May 21 and Aug 6.

Minerva, Ohio—Plans are being prepared by Howard & Merriam, Arch., 8 East Broad St., Columbus, for the construction of a school. Estimated cost, $65,000.

Morral, Ohio—Bids will be received until Apr. 13 by the Board of Education for the construction of a fireproof high and grade school.

✚Toledo, Ohio—The general contract for the construction of the Detroit Ave. School has been awarded to A. BENTLEY & SONS CO., at $160,580. Noted Mar. 4.

Tontogany, Ohio—Bids will be received until noon, Apr. 2, by W. E Burgoon, Clk. of Bd. of Education, Washington Township Rural School District, for the construction of a high and grade school. Estimated cost, $49,000. Howard & Merriam, 8 East Broad St., Columbus, is Arch.

Wickliffe, Ohio—Bids will be received until Mar. 31 by C. C. Jenkins, Clk. of Bd. of Education, Willoughby, for the construction of a school at Wickliffe. Knox & Elliott, 1246 Rockefeller Bldg., Cleveland, is Arch.

Bloomington, Ind.—The Board of Trustees of Indiana University has authorized the construction of a gymnasium. The estimated cost is $150,000. William L. Bryan is Pres.

Evansville, Ind.—Preliminary plans have been submitted by architects to the Board of Coliseum Directors to determine the design of the proposed coliseum.

Evansville, Ind.—Plans are being prepared by Adolph Scherrer, Arch., 417 Indiana Trust Bldg., Indianapolis, for the construction of a six-story building for the Old State Bank, Main near First St. The estimated cost is $200,000.

Indianapolis, Ind.—Bids will be received until 8 p.m., Mar. 30, by the Board of School Commissioners for the construction of Public School No. 180, Palmer St., between Barth and Ringgold St. John E. Cleland, Wimmer Bldg., Illinois and New York St., is Business Dir.

✚Chicago, Ill.—The RAYMOND CONCRETE PILE CO., 140 Cedar St., New York, N. Y., has been awarded the contract for concrete piles for the Hardy Apartment at 200 East Delaware Pl. for the McLennan Construction Co.

East St. Louis, Ill.—(Official)—The lowest bid submitted for the construction of a two-story high school was that of the Kellermann Contracting Co., Roe Bldg., St. Louis, Mo., at $181,000. Contracts will be awarded about Apr. 19. Noted Oct. 8, Nov. 26 and Feb. 18.

Elkhorn, Wis.—Plans have been prepared by James R. Law, Arch., Madison, for the construction of a two-story, 40x76-ft. building for the First National Bank. Estimated cost, $40,000.

✚Madison, Wis.—The Board of Education has awarded the general contract for the construction of a school in Fair Oaks to T. C. McCARTHY, at $44,400. The estimated cost of the building complete is $90,000.

Peshtigo, Wis.—The Board of Education contemplates the construction of an addition to the Peshtigo High School. Estimated cost, $45,000.

Shiocton, Wis.—Plans are being prepared by Anderson & Williams, Arch., Green Bay, for rebuilding the high school recently destroyed by fire. Estimated cost, $75,000.

Missouri Valley, Iowa—(Official)—Bids will be received until 3 p.m., Mar. 30, by J. S. Dewell, Secy. of Bd. of Education, for the construction of a high school. Estimated cost, $70,000. Noted Feb. 11 and Mar. 18.

✚Sioux City, Iowa—(Official)—The contract for the construction of a four-story building has been awarded to EGLEY & PAYETTE, Sioux City. Benttler & Arnold, Davidson Auto Blk., is Arch. Noted Feb. 25.

Fertile, Minn.—F. E. Broomhall, Arch., 710 Alworth Bldg., Duluth, has prepared plans for the construction of a school. Estimated cost, $40,000. Noted Feb. 4.

Lincoln, Neb.—The Board of Education has voted to issue $600,000 and $200,000 in bonds for the construction of a high school and grade schools, respectively.

✚Jefferson City, Mo.—The contract for the construction of a seven-story, 60x91-ft. bank and office building for the Jefferson Investment Co. has been awarded to MILLER & LOGAN, Carthage. Estimated cost, $125,000. Noted Oct. 1 and 29, and Dec. 3.

Kansas City, Mo.—Plans are being prepared by J. G. Braecklein, Arch., 315 Massachusetts Bldg., for the construction of a six-story addition and nurses' home on McCoy Ave. for the German Hospital. The estimated cost is $150,000. Noted Dec. 24.

St. Louis, Mo.—The Westminister Presbyterian Church will construct an auditorium at Union and Delmar Blvd. The estimated cost is $70,000. J. F. Cannon is Pastor.

Cleburne, Tex.—The citizens have voted to issue $130,000 in bonds, the proceeds to be used for the construction of schools.

Ogden, Utah—The Board of Education plans to hold an election to vote on the question of issuing $450,000 in bonds. The proceeds will be used for the construction of additions and improvements to schools in Ogden. John M. Mills is Supt. and L. S. Hodgson is Arch.

Olympia, Wash.—The Legislature has approved the following appropriations for state buildings: $128,000 for two ward buildings at the Institute for Feeble-Minded; $75,000 for a building at the State School for Blind; $60,000 for buildings at the State School for Girls; $50,000 for improvements at the Bellingham Normal School; $50,000 for buildings at the Cheney Normal School.

Seattle, Wash.—The Colisium Co. is having plans prepared by B. Marcus Pretica, Arch., Empire Bldg., for the construction of a motion-picture theater on Pike St. and Fifth Ave. The estimated cost is $600,000. J. L. Gottstein is Pres. of the company.

Grants Pass, Ore.—(Official)—Bids will be received about Apr. 1 by E. E. McClaran, Arch., 525 Lumber Exchange Bldg., Portland, for the construction of a three-story, 64x130-ft. court house. Estimated cost, $100,000. Noted Mar. 4.

Junction City, Ore.—The Directors of the Junction City Hotel plan to rebuild the hotel which was recently destroyed by fire. Estimated cost, $60,000.

✚San Francisco, Calif.—The contract has been awarded to FARRELL & REED, at $55,500, for the construction of a museum in Golden Gate Park for the California Academy of Sciences.

Visalia, Calif.—The Southern Pacific Co. plans to construct a passenger station. Estimated cost, $40,000. W. Hood, San Francisco, is Ch. Engr.

New Westminster, B. C.—Plans have been prepared by F. N. Senecal, Arch., Hart Bldg., for the construction of a municipal market building at 10th St. The estimated cost is $40,000.

The Sanderson-Cyclone Drill Co. is the successor to the Cyclone Drill Co. The officers of the company are: R. R. Sanderson, Pres. and Gen. Mgr.; Will Ford, Vice-Pres.; and Paul Hildebrant, Secy. and Treas. The officers, together with a number of other men who have been interested in and advocates of the big blast hole drill business, are all thoroughly familiar with either the manufacturing or sales organization and are able to render expert advice, from a long experience, to contractors and others who may be in need of such assistance.

The National Railway Appliances Association, which organizes the exhibits of railway materials and appliances at the annual meetings of the American Railway Engineering Association and the Railway Signal Association, held its annual meeting in Chicago in March. Officers were elected as follows: Pres., Philip W. Moore, P. & M. Co., Chicago; Vice-Pres., Henry M. Sperry, General Railway Signal Co., Rochester, N. Y.; Secy., B. V. Crandall, Chicago.

Dorchester Tunnel, Section H, Boston, Mass.

✚Bids were received Feb. 25 by the Boston Transit Commission for the construction of the Dorchester Tunnel, Section H, Contract No. 550, from: (A) Oscar Daniels Co., Woolworth Bldg., New York, N. Y.; (B) P. McGovern & Co., Tremont Bldg., Boston; (C) Rowe Contracting Co., Brighton, Mass.; (D) James E. Gaffney, 101 Tremont St., Boston; (E) Thomas-Harmon Co., Railway Exchange Bldg., St. Louis, Mo.; (F) James J. Coughlan Co., 43 Tremont St., Boston; (G) Hugh Nawn Contracting Co., 82 Savin St., Roxbury; (H) Coleman Bros., Boston; (I) Lou B. Cleveland, Cleveland Bldg., Watertown, N. Y.; (J) Bruno & Petitti, 18 Tremont St., Boston; (K) William J. Barry, 431 Ashland St., Roslindale; (L) Jeremiah P. O'Riorden, 1 City Sq., Charlestown; (M) H. P. Converse & Co., 88 Broad St., Boston; (N) T. A. GILLESPIE CO., 50 Church St., New York, (contract awarded). The item bids were as follows:

DORCHESTER TUNNEL, SECTION H, BOSTON, MASS.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
87,000 cu.yd. earth excavation	$5.00	$3.95	$4.00	$4.00	$3.46	$3.85	$3.50	$3.70	$3.00	$3.25	$3.50	$3.18	$2.99	$3.00
23,000 cu.yd. concrete	8.25	9.00	9.00	9.00	9.25	9.00	9.50	9.00	9.00	9.00	8.00	9.00	8.83	8.00
50 cu.yd. cinder concrete	8.00	8.00	7.00	7.00	5.25	5.00	7.00	5.00	8.00	7.00	12.00	10.00	6.17	5.00
200 cu.yd. mortar	8.00	17.00	20.00	8.00	12.00	8.00	15.00	13.00	12.00	12.00	15.00	14.00	14.00	10.00
30 cu.yd. concrete with small stone	10.00	10.00	12.00	6.00	12.00	10.00	12.00	13.00	15.00	10.00	20.00	10.00	11.00	9.00
200 cu.yd. brick masonry	15.00	20.00	16.00	20.00	14.00	18.00	20.00	16.00	18.00	18.00	20.00	16.00	15.00	16.00
2200 lin.ft. 8-12 in. vitrified pipe	1.00	2.00	0.50	0.60	0.75	0.50	1.00	0.30	0.75	1.00	1.00	0.35	0.55	1.00
1300 lin.ft. 8-12-ft. vitrified pipe	0.30	1.50	0.40	0.40	0.60	0.50	1.00	0.30	0.50	0.50	1.00	0.50	0.40	1.00
2300 lin.ft. 6-15-in. vitrified pipe	0.40	2.00	0.50	0.60	1.00	1.00	1.00	0.40	0.60	1.00	1.00	0.80	0.55	1.00
1700 lin.ft. 20-30-in. vitrified pipe	1.00	4.00	0.90	1.10	1.50	1.00	2.00	0.60	1.00	2.00	2.00	1.50	1.25	2.00
Setting in place 1300 tons of steel	15.00	18.00	7.00	12.00	9.00	10.00	7.00	8.00	13.00	20.00	10.00	6.00	7.26	9.00
Setting in place 20 tons of steel	15.00	25.00	12.00	12.00	12.00	15.00	20.00	16.00	21.00	20.00	20.00	20.00	12.00	20.00
100 sq.yd. portland cement mortar, ½ in. thick	0.50	0.50	0.45	0.50	0.40	0.30	1.00	0.40	0.75	0.50	0.50	1.00	0.50	0.30
500 cu.yd. grout mixture, neat	1.50	18.00	20.00	12.00	18.00	13.00	20.00	14.00	20.00	18.00	20.00	16.00	12.47	14.00
100 cu.yd. grout mixture, 1 to 1½	1.25	14.00	12.00	8.00	16.00	10.00	10.00	9.00	17.00	15.00	18.00	11.00	10.75	11.00
500 cu.yd. grout mixture, 1 to 4	1.00	12.00	10.00	6.00	12.00	6.00	6.00	6.00	13.00	12.00	16.00	6.00	5.70	9.00
60,000 sq.yd. prepared textile and asphalt	0.50	0.45	0.50	0.40	0.50	0.45	0.40	0.40	0.65	0.40	0.30	0.44	0.50	0.42
Work and risks not covered by other items	10,000	5000.00	2000.00	10,000	10,000	1000.00	2000.00	1000.00	5000.00	5000.00	1000.00	2500.00	2500.00	5000.00
300 M ft. b.m. sheet piling, 6 in. thick	30.00	46.00	50.00	50.00	65.00	45.00	60.00	39.00	65.00	35.00	60.00	52.00	49.30	60.00
200 M ft. b.m. sheet piling, 4 in. thick	30.00	48.00	50.00	50.00	80.00	45.00	60.00	37.00	80.00	35.00	60.00	52.00	49.30	60.00
Extended totals	$712,610	$684,850	$660,595	$658,110	$645,352	$636,780	$628,510	$612,190	$610,625	$607,900	$604,350	$581,470	$561,491	$554,750